

KINGFISH .7

Run - 0426
COPY OF

TILT ANGLE	FREQUENCY	TEST NUMBER	DATE	TIME	POWER OUTPUT	REFLECTOR READING	SYSTEM	MDS	POLARIZATION
10	2900 + - 150	1	8/22/59	1640	22	40	79	H	See attached sketch.
10	"	2	"	1700	22	40	79	V	Same as Run #1. Polarization change only.
25	"	3	"	1753	22	40	79	V	Same as above. Tilt angle change only.
25	"	4	"	1804	22	39	79	H	Same as Run #1. Tilt angle change and polarization change
10	"	5	"	1900	22	40	79	H	Covered entire inner surface of inlet fiberglass section w/hair (looking toward ramp) and entire lower surface of fiberglass ramp fence w/hair (looking toward metal ramp fence). Removed foil cover from exhaust ramp hair. All else same as Run #1.
10	"	6	"	1912	22	40	79	V	Same as Run #5. Polarization change.
10	"	7	"	2031	22	41.5	79	V	Same as above except seams in exhaust air buckets foiled.
10	2900 SINGLE	8	"	2055	22	40	79	H	Same as Run #7. Polarization change and frequency change.
0	2900 + - 150	9	"	2230	22	40	80	H	Same as #5 & 6 except foiled cracks in hair bucket. Tilt angle changed to zero.
0	"	10	"	2240	22	41	80	V	Same as Run #9. Polarization change only.
10	"	11	"	2255	22	40.5	80	V	Same as above. Tilt angle change only.
10	"	12	"	2305	22	40.5	80	H	Same as above. Polarization change only.
10	"	13	8/23/59	0010	22	40	81	H	Painted inner wall of side fences of exhaust. All else same as Run #9.
10	"	14	"	0020	22	41	80	V	Same as Run #13. Polarization change only.
10	"	15	"	0045	22	40.5	80	V	Removed hair f/110 of exhaust. All else same as Run #13.

KINGFISH .7

	TILT ANGLE	FREQUENCY	TEST NUMBER	DATE	TIME	POWER	OUTPUT	REFLECTOR	READING	SYSTEM	MDS	POLARIZATION
10	2900 +150	16	8/23/59	0100	22	40	82	H				Same as Run #14. Polarization change only.
10	"	17	"	0140	22	40	80	H				Removed hair from transition section of exhaust. All else same as Run #15.
10	"	18	"	0150	22	41	80	V				Same as above. Polarization change only.
10	"	19	"	0810	22	41	80	V				Same as above except removed hair f/ exhaust ramp and replaced w/metal sect
10	"	20	"	0818	22	39.5	80	H				Same as above. Polarization change only.
10	"	21	"	0915	22	41	80	H				Same as above except placed hair in transitory fo exhaust.
10	"	22	"	0930	22	41	80	V				Same as Run #21. Polarization change only.
10	"	23	8/24/59	0050	21	39.5	81	V				No change to inlet & wing. Hair top & sidewalls of transition sect. Foil ramp no hair sidewalls. 4 8degree tails. 2 wing mounts. 2 fuselage mounts.
10	"	24	"	0100	21	39	81	H				Same as above. Polarization change only.
15	"	25	"	0110	21	38.5	81	H				Same as above. Tilt angle changed
15	"	26	"	025	20	29.5	81	V				Same as Run #25. Polarization change only.
20	"	27	"	0140	21	39	81	V				Same as Run #26. Tilt angle change only.
20	"	28	"	0155	20			H				Polarization change. Calib. as in #25. All else same as #26.
15	"	29	"	0210	21			H				Calib. as in #25. Tilt angle change All else same as #26.
10	"	30	"	0345	20	39	81	H				Tilt angle change. Changed angle of LH wing mounted tail to 15 degree. Hair corner between fuselage tail and its pylon.

KINGFISH .7

	TILT ANGLE	FREQUENCY	TEST NUMBER	DATE	TIME	POWER OUTPUT	REFLECTOR READING	SYSTEM MDS	POLARIZATION
10	2900 +150	31	8/24/59	0425	21	38.5	81	H	Wing mounted. Tails removed. All else same as Run #30
10	"	32	"	0435	21	40	81	V	Same as above. Polarization change only.
20	"	33	"	0445	21	40	80	V	Tilt angle change. All else same as above.
10	"	34	"	0535	21	40	81	V	Fuselage tails removed. Pylons remain. All else same as #31.
25	"	35	"	0545	20	39	81	V	Tilt angle change. All else same as Run #34.
10	"	36	"	0750	21	40	81	V	Removed Pylons. Installed side fences All else same as Run #34.
10	"	37	"	0805	20	39	81	H	Same as above. Polarization change only.
10	"	38	"	1000	20	38.5	80	V	Same as #36 except added wing mounted #8 degree inboard tails.
10	"	39	"	1010	20	37	80	H	Same as above. Polarization change only.
20	"	40	"	1025	20	39.5	80	H	Same as #36. Degree and polarization change.
10	"	41	"	1110	20	40	80	V	Same as #38 except change tails/### ^{to 0°}
10	"	42	"	1120	20	40	80	H	Same as Run #41. Polarization change only.
20	"	43	"	1130	20	39	80	H	Same as above. Tilt angle change only.
20	"	44	"	1140	20		80	V	Same as above. Polarization change only.
10	"	45	"	1225	20	40	80	V	Same as Run #41 except haired inside surfaces of 0 degree wing mounted tails in those areas that extended beyond the wing.
10	"	46	"	1240	20	40	80	H	Same as above. Polarization change

KINGFISH .7

TILT ANGLE	FREQUENCY	TEST NUMBER	DATE	TIME	POWER OUTPUT	REFLECTOR READING	SYSTEM	MDS	POLARIZATION
10	2900 +-150	47	8/24/59	1345	20	39	80	H	Same as Run #45 except cut 24" from trailing edge of vertical fins. Hair removed and tails shortened.
10	"	48	"	1355	20	40	80	V	Same as Run #47. Polarization change only
20	"	49	"	1405	20			V	Same as Run #45. Tilt angle change only. No. Calibration
20	"	50	"	1415	20			H	Same as above. Polarization change only.
10	"	51	"	1600	20	40.5	80	H	Moved 0° mounted tails 2' forward. Added fairing to fuselage & fence area at 15 degree slope.
10	"	52	"	1610	20	41	80	V	Same as above. Polarization change only.
15	"	53	"	1630	20			V	Same as #51. Tilt angle change only. No calibration.
15	"	54	"	1635	20			H	Same as above. Polarization change only
10	"	55	"	1755	20	39.5	80	H	Added 15" to trailing edge of tails 0° Haired inside surface of trailing edge fences.
10	"	56	"	1805	20	40	80	V	Same as above. Polarization change only.
15	"	57	"	1830	20			V	Same as #55. Tilt angle and polarization change only.
10	"	58	"	1935	20	40	80	V	Haired both sides of center fin. Right aft fairing contour flattened. Tails now at 8 degrees.
10	"	59	"	1947	20	39	80	H	Same as above. Polarization change only.
0	"	60	"	1955	20			H	Same as #58. Polarization and tilt angle change only.
10	"	61	"	2055	20	39	80	H	Same as Run #58 except polarization; tails now at 0 degrees.
10	"	62	"	2105	20	40	80	V	Same as above. Polarization change only

•

ne
6 E
ue
eg
l h
ro
a

pr
J
W

b
R

t
tu

ge

KINGFISH .7

TILT ANGLE	FREQUENCY	TEST NUMBER	DATE	TIME	POWER	OUTPUT	REFLECTOR	READING	SYSTEM	MDS	POLARIZATION
10	2900 +150	71	8/27/59	0920	18.8	40.5	84	H	Complete description on tab, for all changes. All else same as Run #69.		
10	"	72	"	0935	18.2	41.5	84	V	Same as Run #71. Polarization change only.		
15	"	73	"	0945	18.2	41.5	84	V	Same as Run #72. Tilt angle change only.		
12.5	"	74	"	0955	18.2	41.5	84	V	Same as above.		
10	"	75	"	1035	18.2	41	84	V	Canted vertical tails inboard 15 deg. All else same as Run #71.		
10	"	76	8/29/59	0835	16	47	87	V	See attached sheet for description.		
10	"	77	"	0855	16	47	87	H	Same as above. Polarization change only.		
12	"	78	"	0915	17	46.5	87	H	Same as Run #77. Tilt angle change only.		
12	"	79	"	0925	18	47	88	V	Same as above. Polarization change only.		
15	"	80	"	0940	17	47	88	V	Same as above. Tilt angle change only.		
10	"	81	"	1000	17	47	88	V	Rotated shield 10 deg. c.w. Tilt angle changed to 10 deg. Calibration used in Run #80. All else same as #80.		
10	"	82	"	1010	17	47	88	V	Shield rotated to 30 deg. c.w. All else same as #81.		
10	"	83	"	1125	17	47	88	V	Shield returned to 0 deg. Foiled over entire exhaust at top of fence level. Removed RH fiberglass sect. o/inlet.		
10	"	84	"	1135	17	46	81	H	Same as Run #83. Polarization change only.		
10	"	85	"	1220	17	47	88	H	Removed LH fiberglass section of inlet. Polarization same as Run #84. All else same as Run #83.		
10	"	86	"	1230	17	47	88	V	Same as above. Polarization change only.		

KINGFISH .7

TILT ANGLE	FREQUENCY	TEST NUMBER	DATE	TIME	POWER OUTPUT	REFLECTOR READING	SYSTEM	MDS	POLARIZATION
10	2900 +-150	87	8/29/59	1405	18	47.5	88	V	Added 8 degree inboard canted wing mounted trapazoidal vertical tails. All else same as Run #86.
10	"	88	"	1420	17	47	88	H	Same as above. Polarization change only.
10	"	89	"	1510	18	47	88	H	Changed tail cnt from 8 deg. to 0 deg. All else same as Run #87.
10	"	90	"	1525	18	47.5	87	V	Same as above. Polarization change only.
0	"	91	"	1550	17	48	87	V	Same as above. Tilt angle change only.
10	"	92	"	1615	16	47.5	87	V	Canted tails 12 deg. inboard. 1"x $\frac{1}{2}$ " notches added to unnotched sect. of L.E & T.E. of wings. 3" Bat hair added to rotator hair skirt.
10	"	93	"	1625	17	46.5	87	H	Same as above. Pol. change only
10	"	94	"	1835	17	47	87	H	Tails tilt to 0 deg. Exhaust unfoiled and returned to original configuration.
10	"	95	"	1845	17	47.5	87	V	Same as above. Polarization change only.
10	"	96	"	2020	17	48	87	V	haired top 8' rear half of shield. No other change to model.
10	"	97	"	2030	17	47	87	H	Same as above. Polarization change only.
10	"	98	"	2105	17	47.5	87	H	Removed hair from shield. Now same as Run #94.
10	"	99	"	2115	17	47	87	V	Same as above. Polarization change only.
10	"	100	8/30/59	1005	15.5	48	90	V	Fiberglass covers back on inlets. Tails set at 0 deg. New arrangement of hair around rotator.
10	"	101	"	1018	15.5	47.5	90	H	Fiberglass covers back on inlets. All same as above. Polarization change only.
10	"	102	"	1100	15.5	47.5	90	V	Bottom of shield pulled forward so that the trailing edge of shield is 9 deg. off vertical.

SERIES KINGFISH .7
TEST 1

Date	8/22/59
Time	1640 Hrs.
Tilt Angle	10 Degrees
Polarization	Horizontal

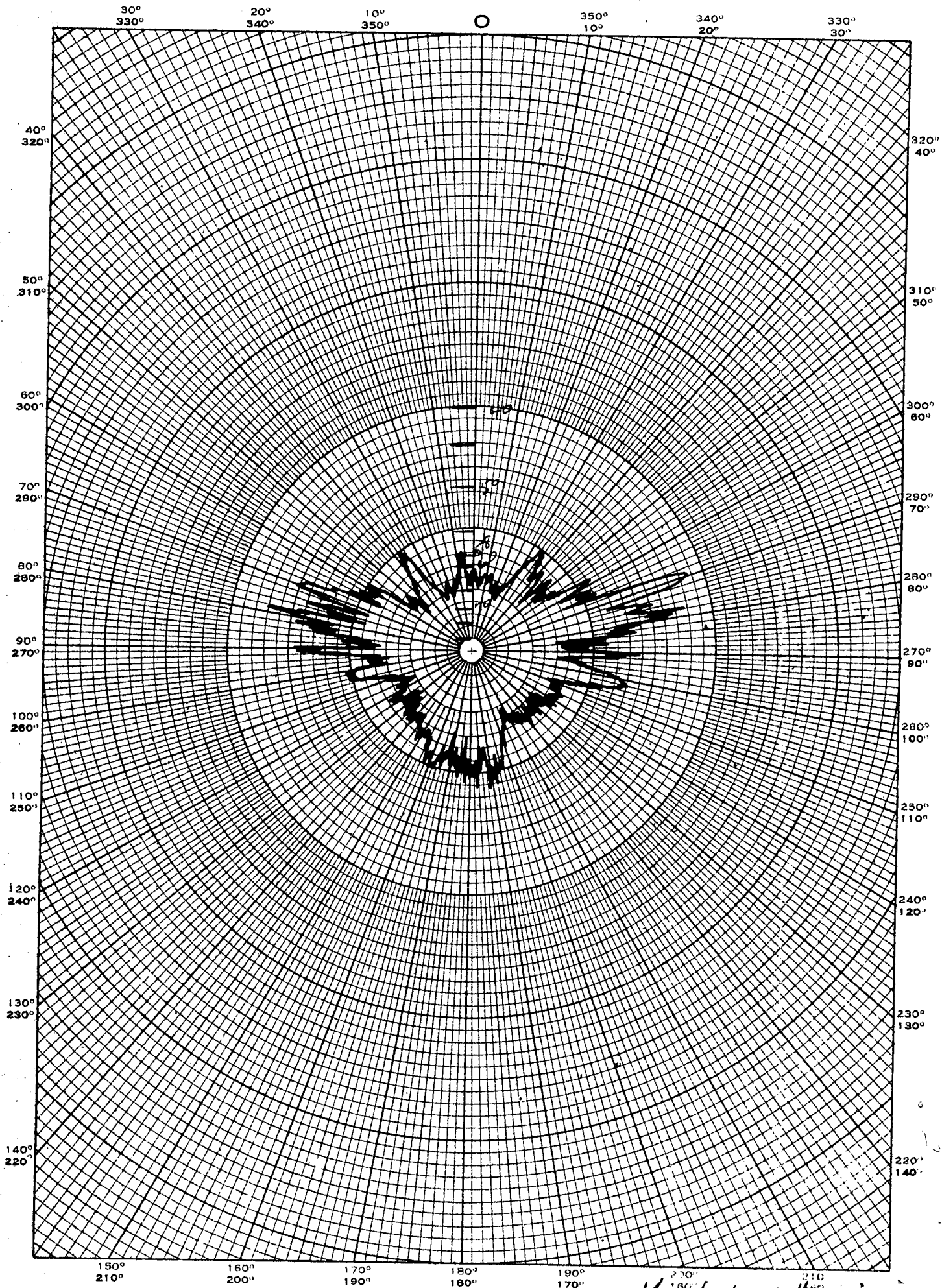
Frequency	2900 + - 150	MC
Power Output	22	
Corner Reflector	40	
System MDS	79	

Comments

See sheet attached.

EUGENE DIETZEN CO.
MADE IN U.S.A.

EUGENE DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



KINGFISH .7

INLET: Fiberglass in place, 1/4 inch mesh screen in duct, 1 x 1/2" notches with 6 layers T. D. paper on forward edge of upper ramp fence.

EXHAUST: Hair on upper surface and sides of transition section, hair on ramp foiled over, 1 x 1/2" notches with 6 layers T.D. paper on aft edge of exhaust flap.

TAILS: None

WING: 1815 Ft² Sw with swept back Trailing Edge. Big notches have 1 x 1/2" notches along edges upper and lower surface. Big notches have 6 layers T. D. paper on wing lower surface. Small notches opposite this ~~wing~~ T. D. paper have 6 layers T. D. paper. All notches on wing covered with corrugated cardboard upper and lower surfaces.

COMMENTS: New airfoil section shield in sue. 2' skirt of hair dropped from test item to cover rotator and shield top.

SERIES KINGEISH .7
TEST 2

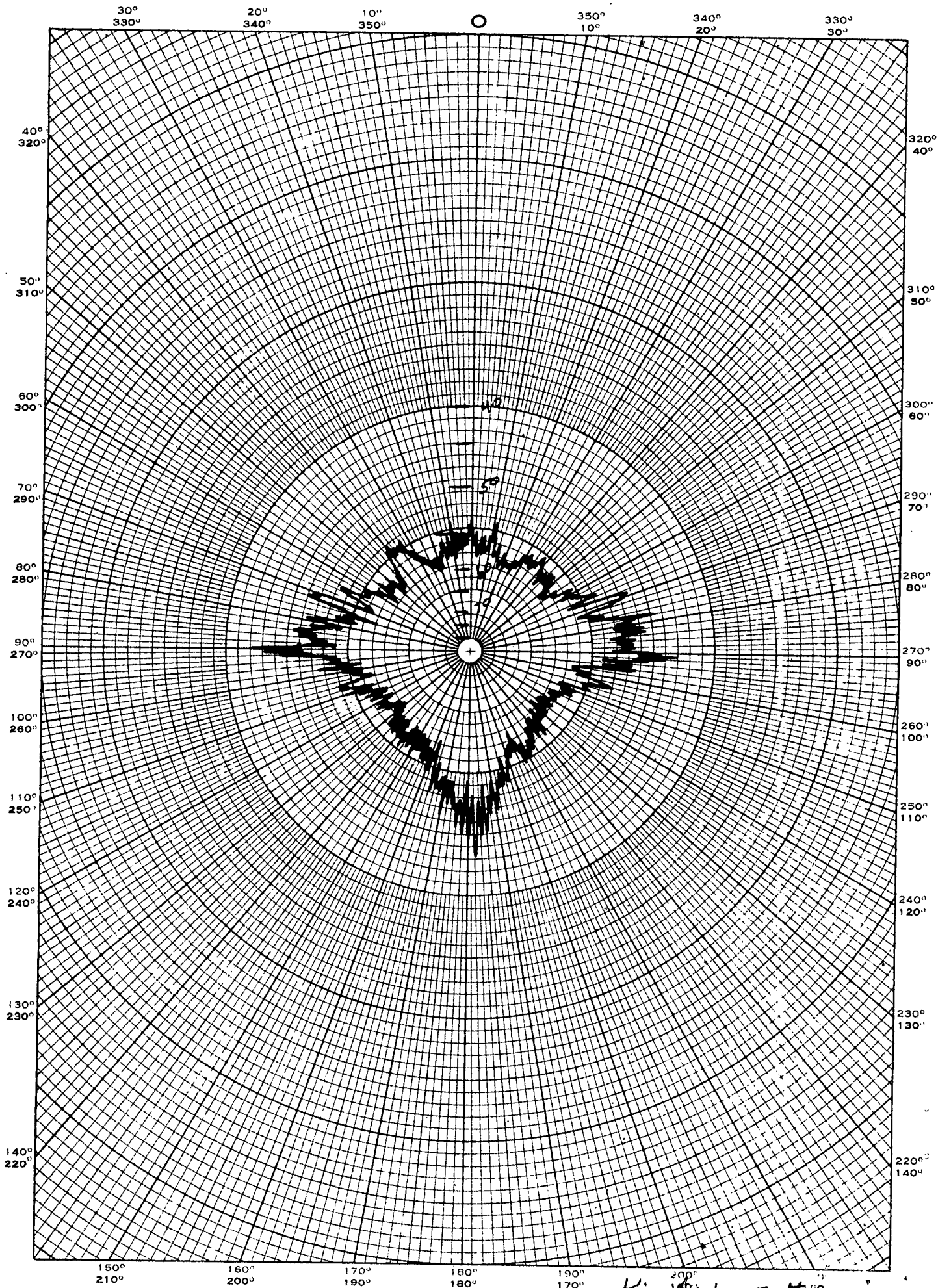
Date	8/22/59	
Time	1700	Hrs.
Tilt Angle	10	Degrees
Polarization	Vertical	

Frequency	2900 + - 150	MC
Power Output	22	
Corner Reflector	40	
System MDS	79	

Comments

Same as Run #1. Polarixation change only

EUGENE DIETZGEN CO.
MADE IN U.S.A.
NO. 3400-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



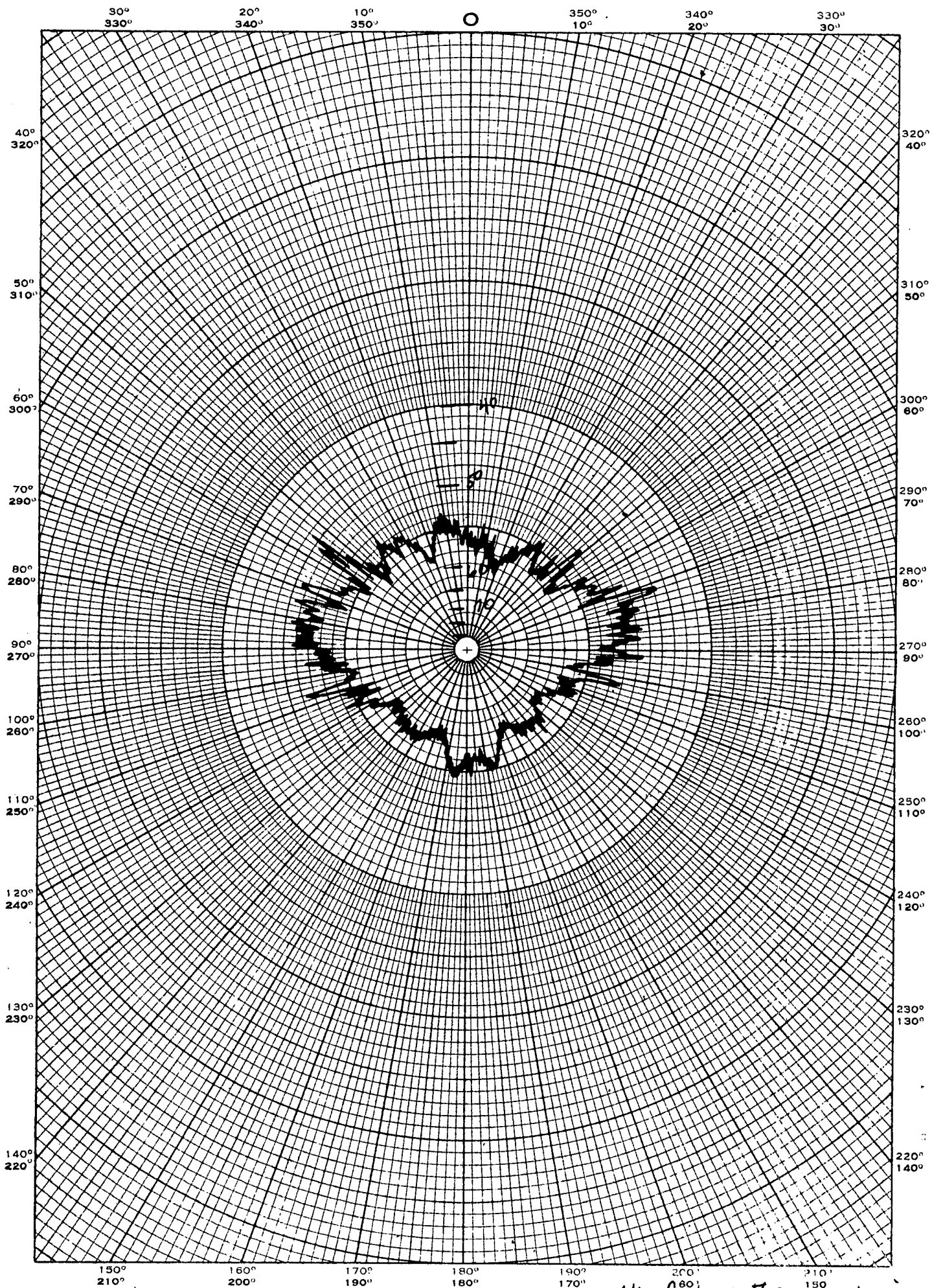
SERIES KINGFISH .7
TEST 3

Date	8/22/59		Frequency	2900 + - 150	MC
Time	1753	Hrs.	Power Output	22	
Tilt Angle	25	Degrees	Corner Reflector	40	
Polarization	Vertical		System MDS	79	

Comments

Same as Run #1. Tilt angle change and Polarization change

EUGENE DIETZGEN CO.
MADE IN U.S.A.
NO. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



SERIES KINGFISH .7
TEST 1

Date	8/22/59	
Time	1804	Hrs.
Tilt Angle	25	Degrees
Polarization	Horizontal	

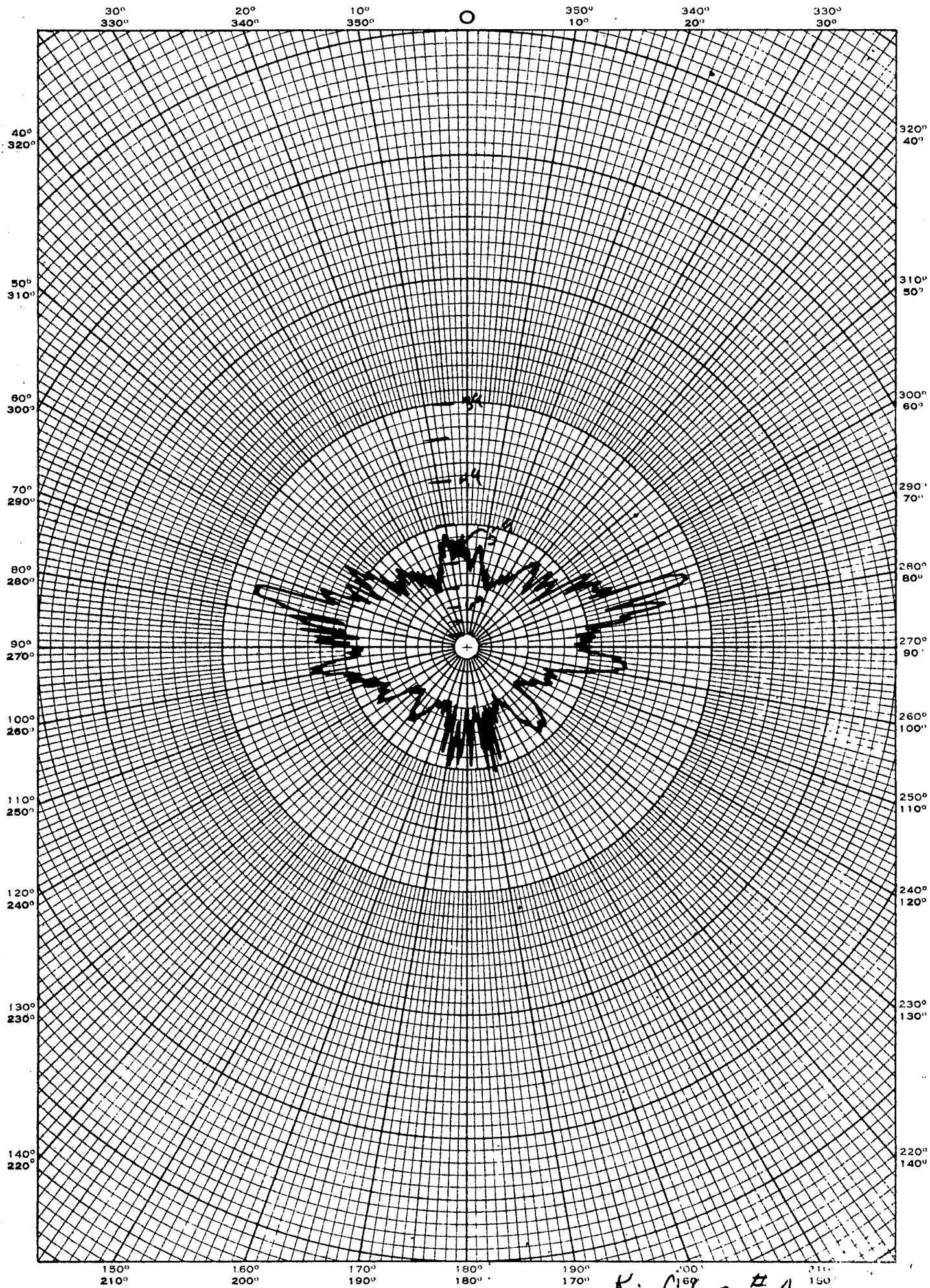
Frequency	2900 + - 150	MC
Power Output	22	
Corner Reflector	39	
System MDS	40	

Comments

Same as Run #1. Tilt angle change only

EUGENE DIETZEN CO.
MADE IN U. S. A.

NO. 340R-P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



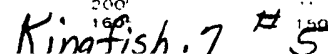
SERIES KINGSTON .7
TEST 5

Date	8/22/59
Time	1900 Hrs.
Tilt Angle	10 Degrees
Polarization	Horizontal

Frequency	2900 \pm 150	MC
Power Output	22	
Corner Reflector	40	
System MDS	79	

Comments

Covered entire inner surface of inlet fiberglass section with hair (looking toward ramp) and entire lower surface of fiberglass ramp fence with hair (looking toward metal ramp fence). Removed foil cover from exhaust ramp hole. All color same as #1.



SERIES KINGFISH .7
TEST 6

Date	8/22/59
Time	1912 Hrs.
Tilt Angle	10 Degrees
Polarization	Vertical

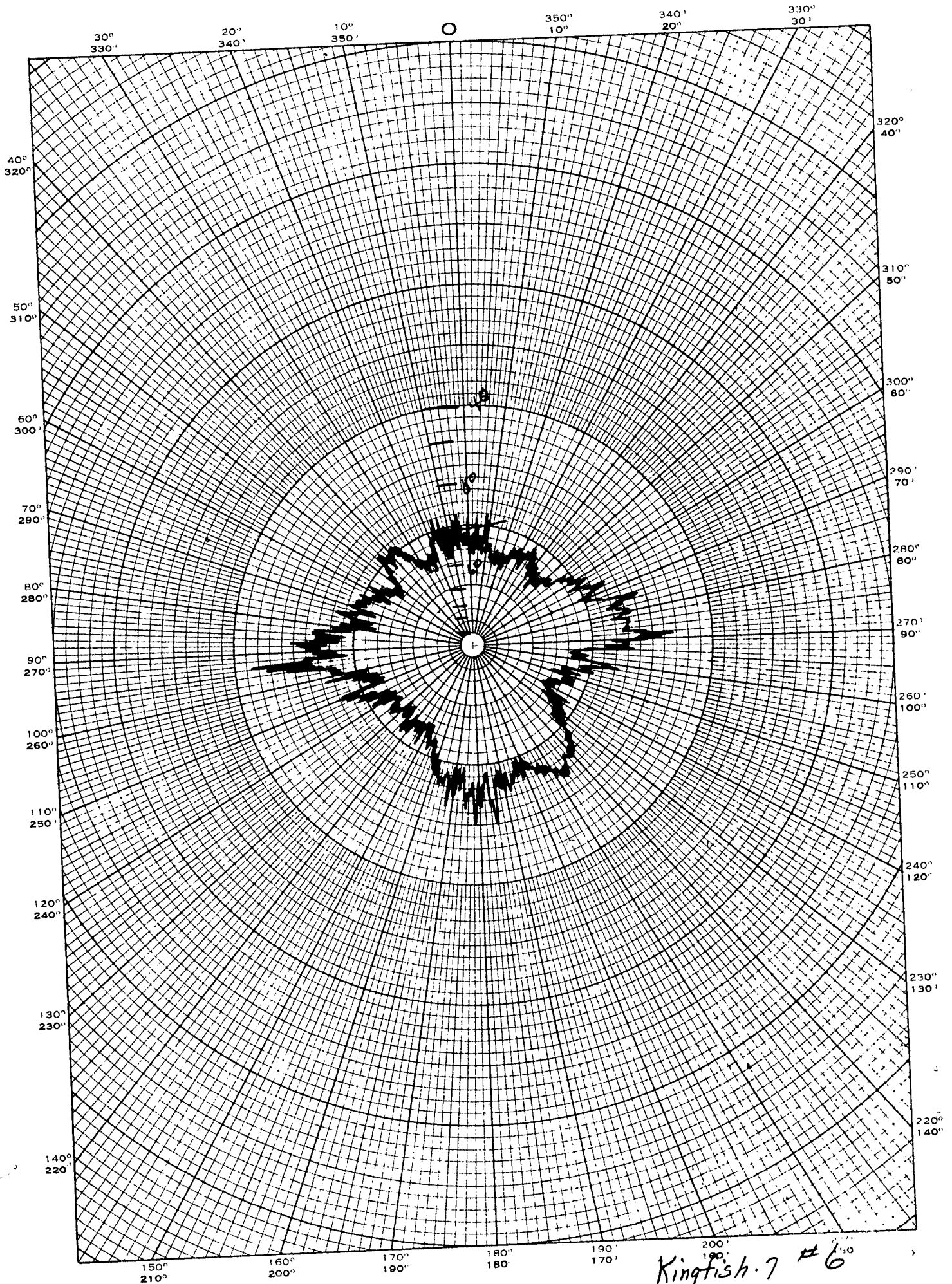
Frequency	2900 + - 150	MC
Power Output	22	
Corner Reflector	40	
System MDS	79	

Comments

Same as Run #5. Polarization change only

EUGENE DIETZEN CO.
MADE IN U.S.A.

NO. 340R-P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



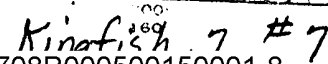
SERIES KINGFISH .7
TEST 7

Date	8/22/59
Time	2031 Hrs.
Tilt Angle	10 Degrees
Polarization	Vertical

Frequency	2900 + - 150	MC
Power Output	22	
Corner Reflector	41.5	
System MDS	79	

Comments

Same as Run #5 & 6 except seams in exhaust air buckets foiled. Removed hair from side walls of inlets fiber glass section.



SERIES KINGFISH .7
TEST 8

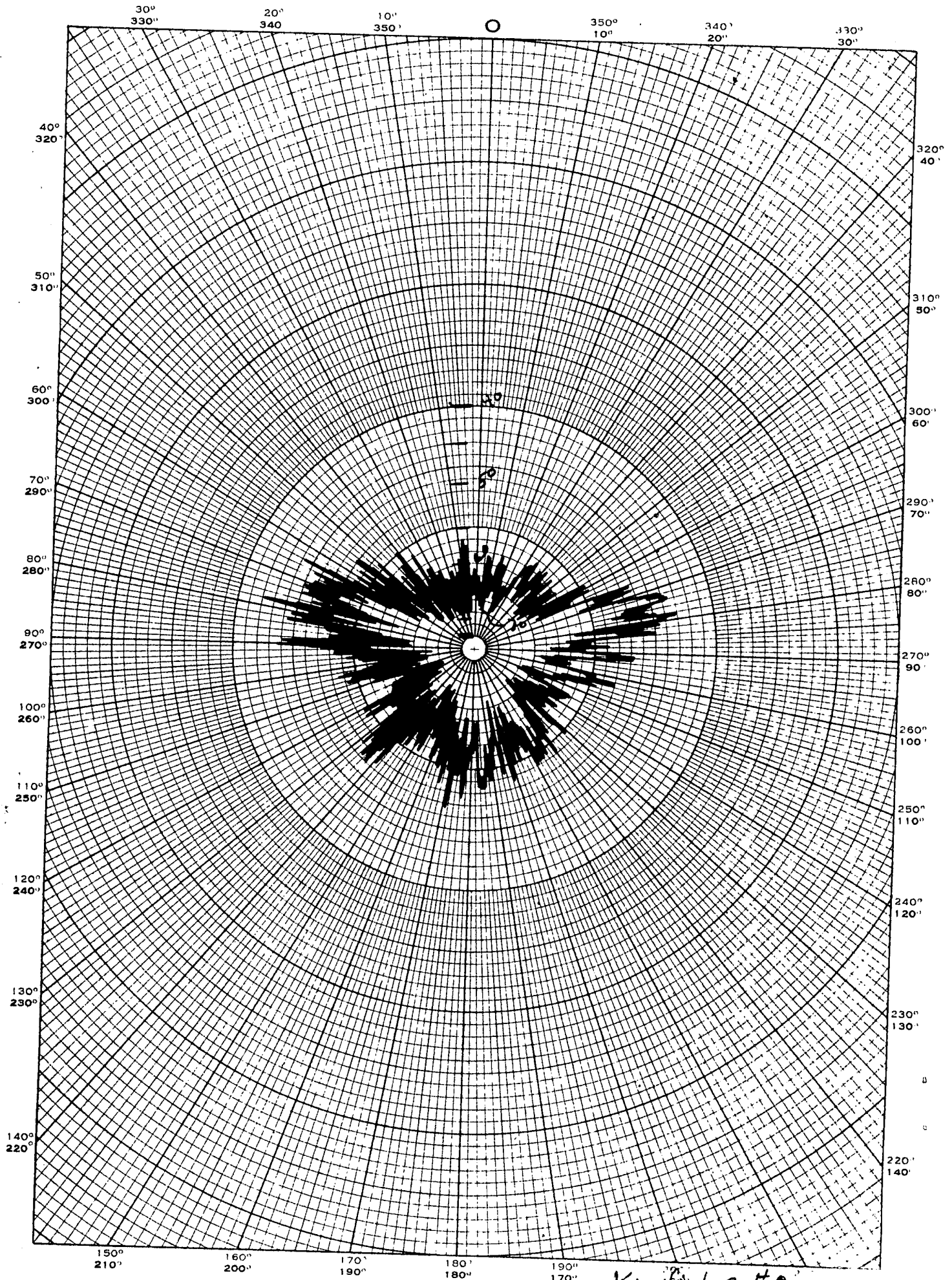
Date	8/22/59
Time	2055 Hrs.
Tilt Angle	10 Degrees
Polarization	Horizontal

Frequency	2900 SINGLE	MC
Power Output	22	
Corner Reflector	10	
System MDS	79	

Comments

Same as Run #7. Polarization change and frequency "single".

ND. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE
EUGENE DIETZGEN CO.
MADE IN U.S.A.



SERIES ~~KINGFISH~~ .7
TEST 9

Date	8/22/59	
Time	2230	Hrs.
Tilt Angle	0	Degrees
Polarization	Horizontal	

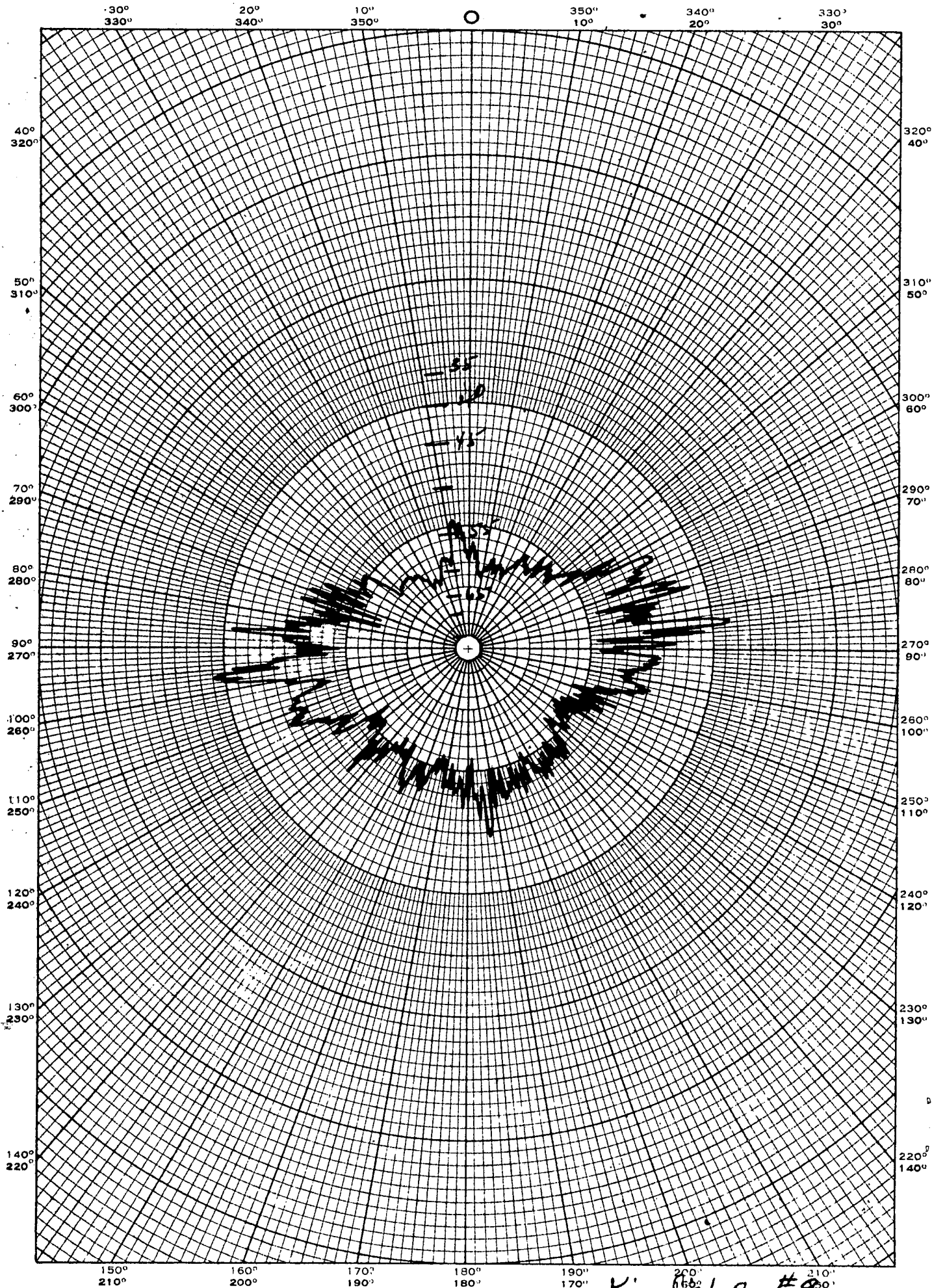
Frequency	2900 + - 150	MC
Power Output	22	
Corner Reflector	40	
System MDS	80	

Comments

Same as Runs # 5 & 6 except foiled cracks in hair bucket. Tilt angle changed.

EUGENE DIETZEN CO.
MADE IN U.S.A.

NO. 340R-P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



King's L. 7 #90

SERIES ~~KINGFISH~~ 7
TEST 10

Date	8/22/59	
Time	2240	Hrs.
Tilt Angle	0	Degrees
Polarization	Vertical	

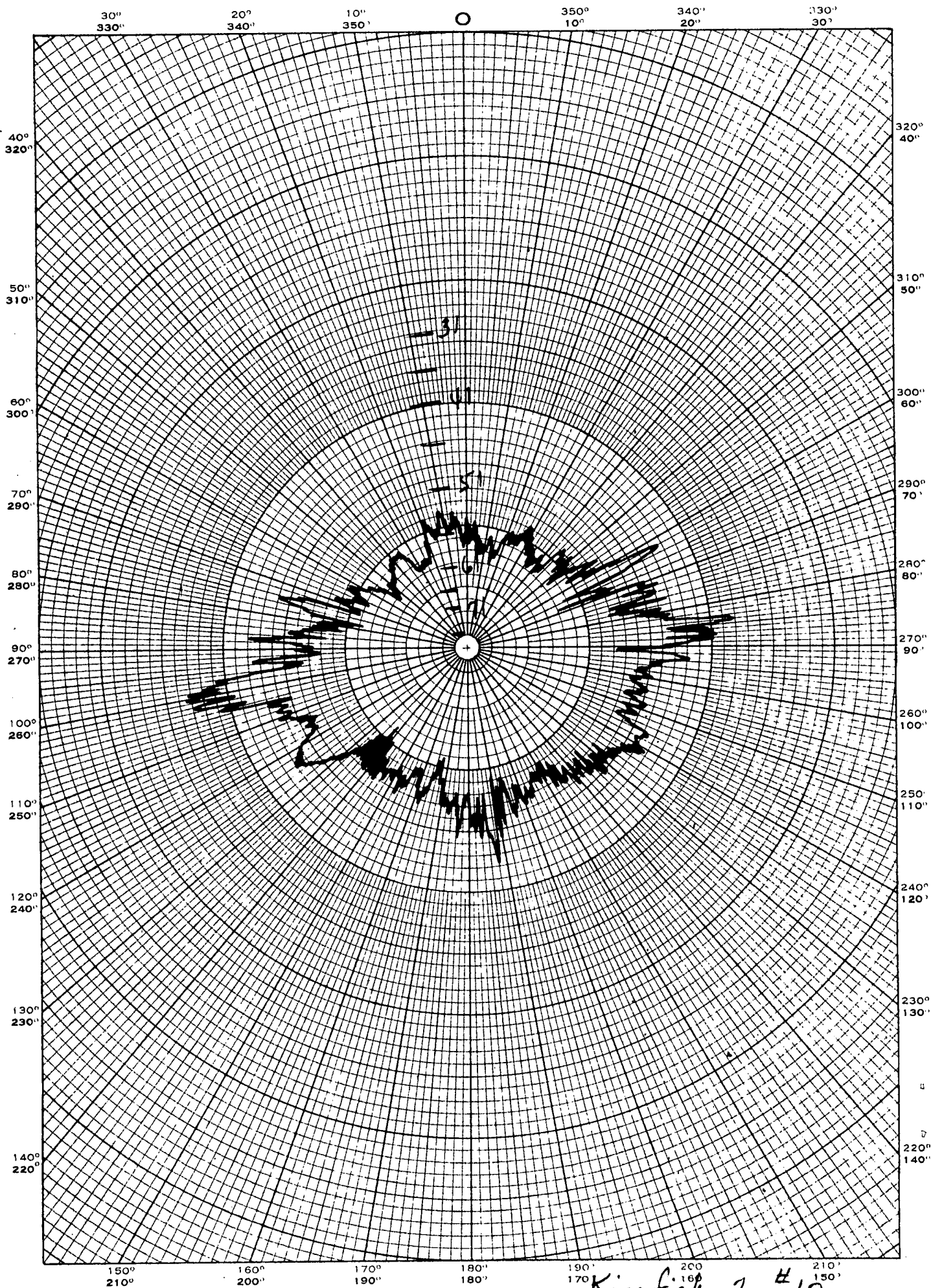
Frequency	2900 + - 150	MC
Power Output	22	
Corner Reflector	11	
System MDS	80	

Comments

Same as Run #9. Polarization change only

MADE IN U.S.A.

POLAR CO-ORDINATE



SERIES ~~KINGFISH .7~~
TEST ~~11~~

Date	8/22/59	
Time	2255	Hrs.
Tilt Angle	10	Degrees
Polarization	Vertical	

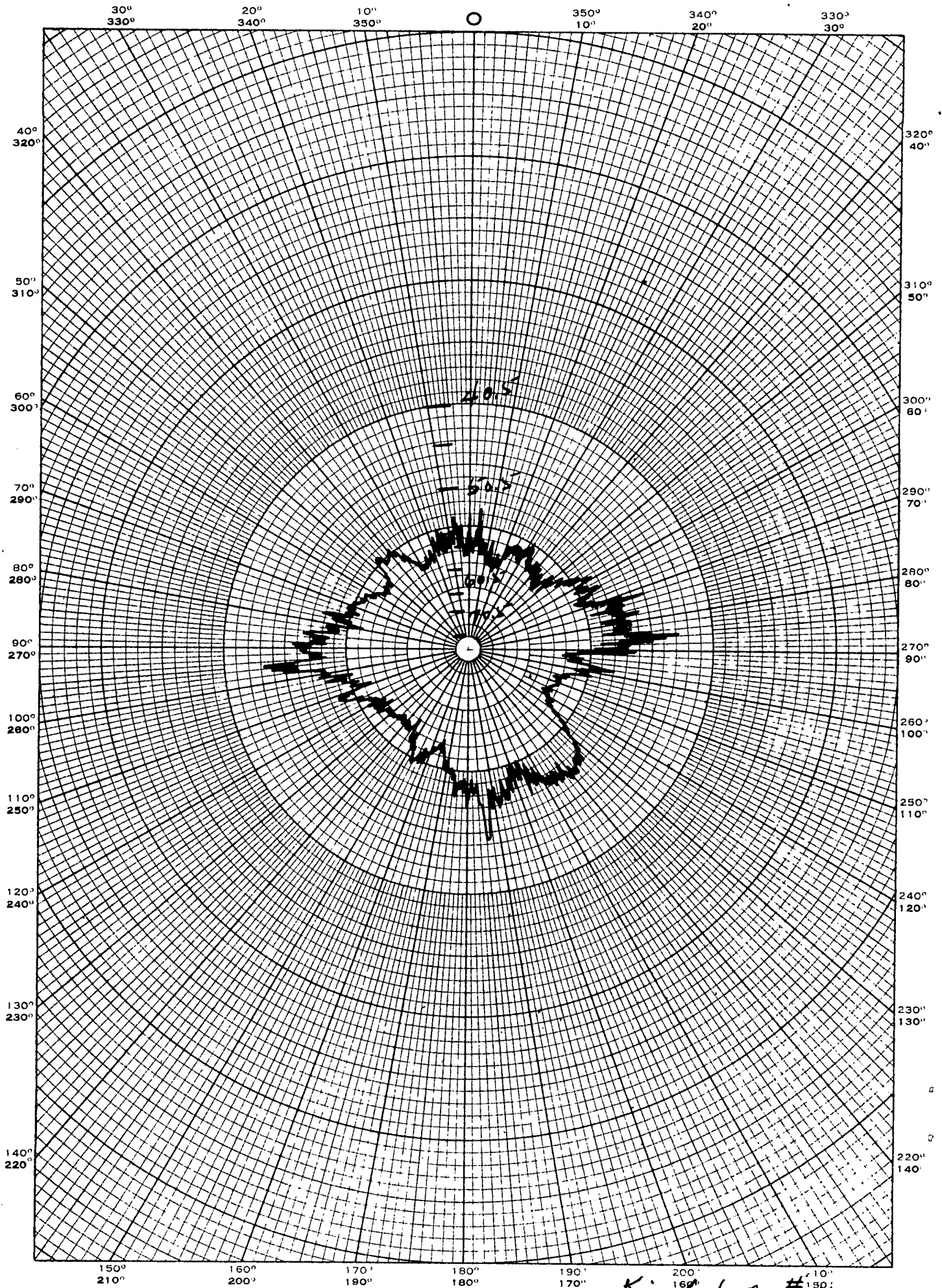
Frequency	2900 + - 150	MC
Power Output	22	
Corner Reflector	40.5	
System MDS	80	

Comments

Same as Run #9. Tilt angle change only.

EUGENE DIETZGEN CO.
MADE IN U. S. A.

POLAR CO-ORDINATE



SERIES KINGEYSH .7
TEST 12

Date	8/22/59
Time	2305 Hrs.
Tilt Angle	10 Degrees
Polarization	Horizontal

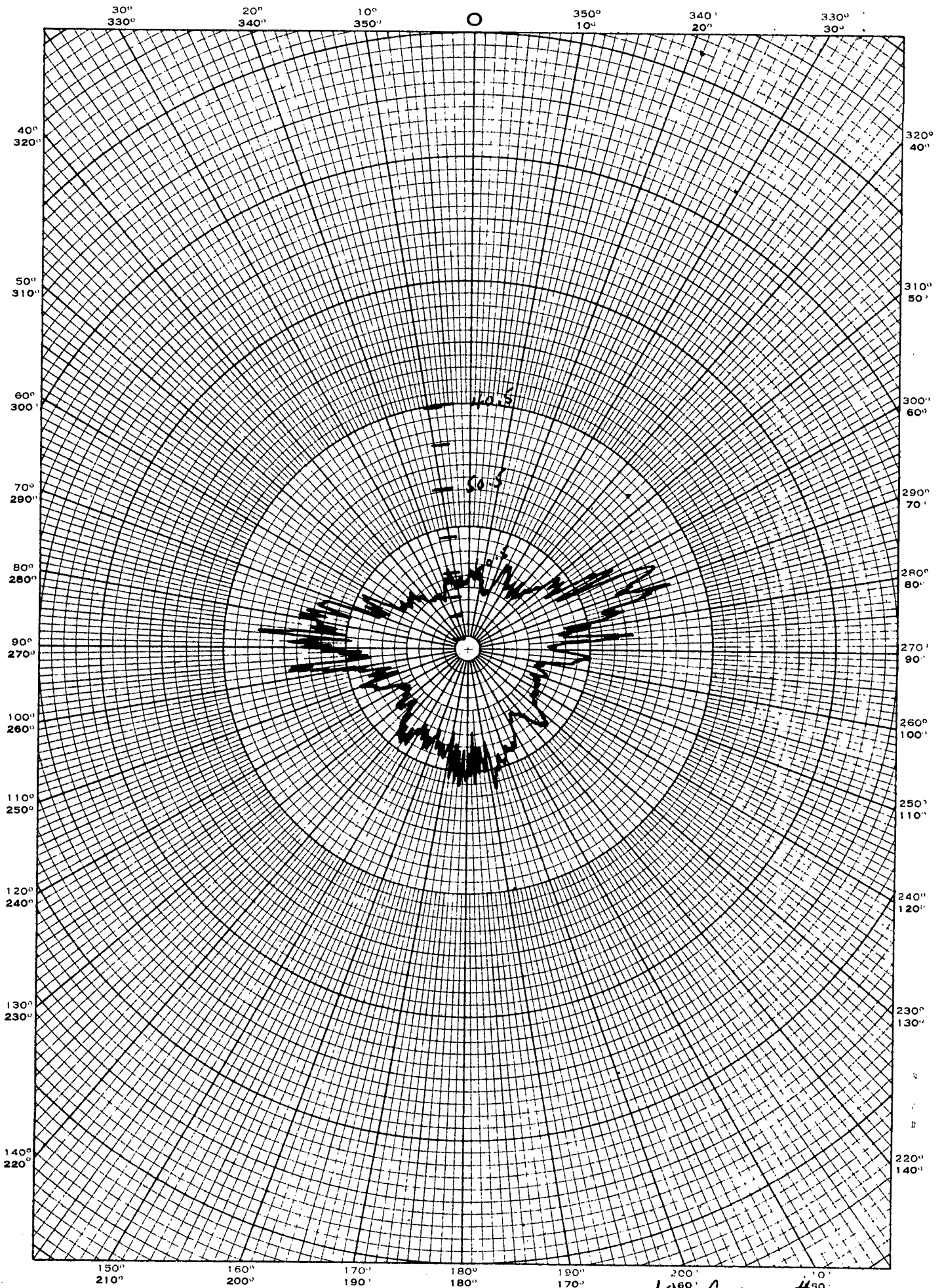
Frequency	2900 + - 150	MC
Power Output	22	
Corner Reflector	40.5	
System MDS	80	

Comments

Same as Run #11. Polarization change only

EUGENE DIETZGEN CO.
MADE IN U.S.A.

NO. 3-50R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



Handwritten: 160° 150° 140° 130° 120° 110° 100° 90° 80° 70° 60° 50° 40° 30° 20° 10° 0°

SERIES ~~KINGFISH .7~~
TEST ~~13~~

Date	8/23/59	
Time	0010	Hrs.
Tilt Angle	10	Degrees
Polarization	Horizontal	

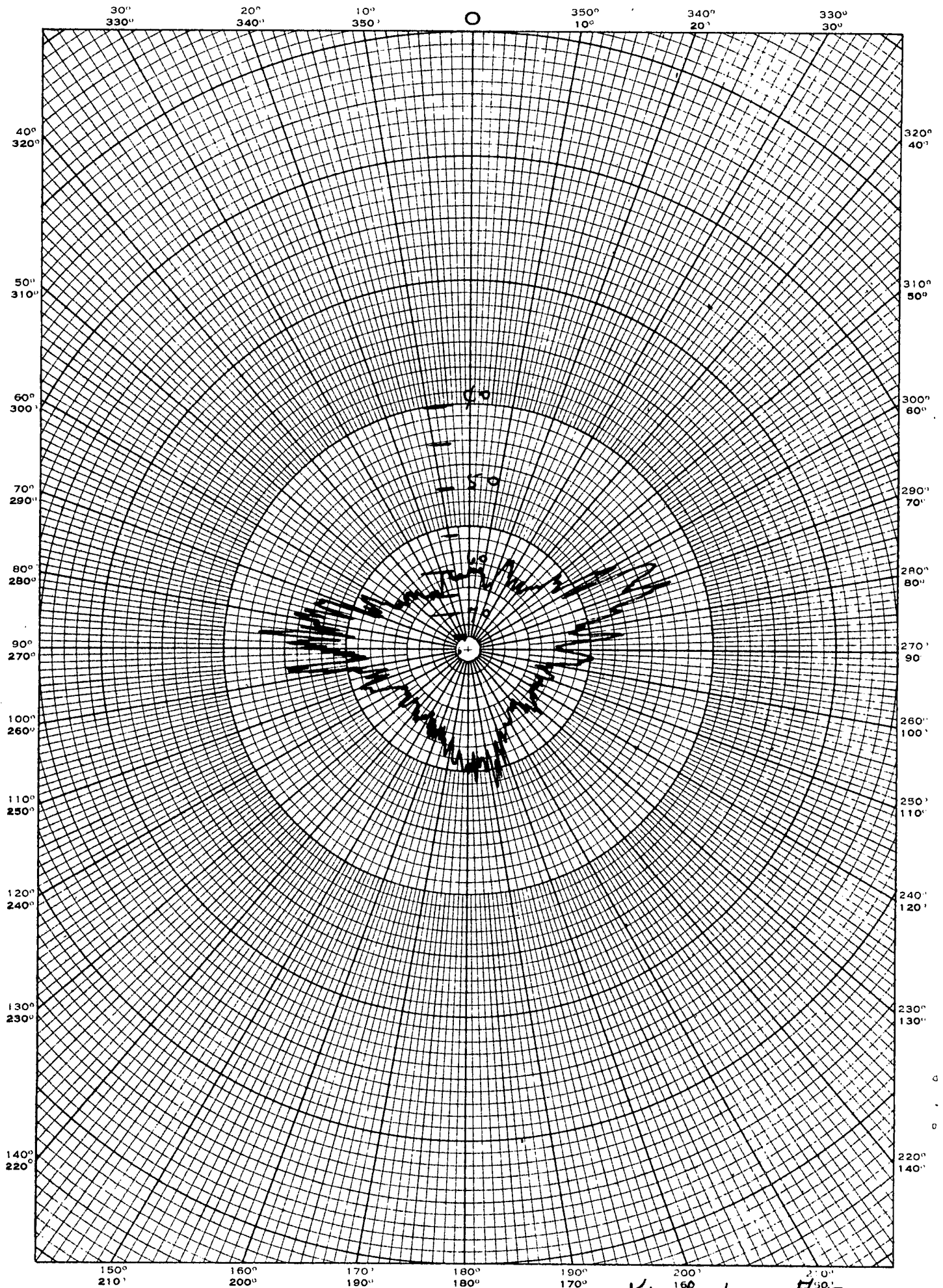
Frequency	2000 + - 150	MC
Power Output	22	
Corner Reflector	40	
System MDS	81	

Comments

Haired inner wall of side fences of exhaust. All else same as Run 49.

EUGENE DIETZGEN CO.
MADE IN U.S.A.

ND. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



SERIES ~~KINGFISH .7~~
 TEST ~~14~~

Date	8/23/59	
Time	0020	Hrs.
Tilt Angle	10	Degrees
Polarization	Vertical	

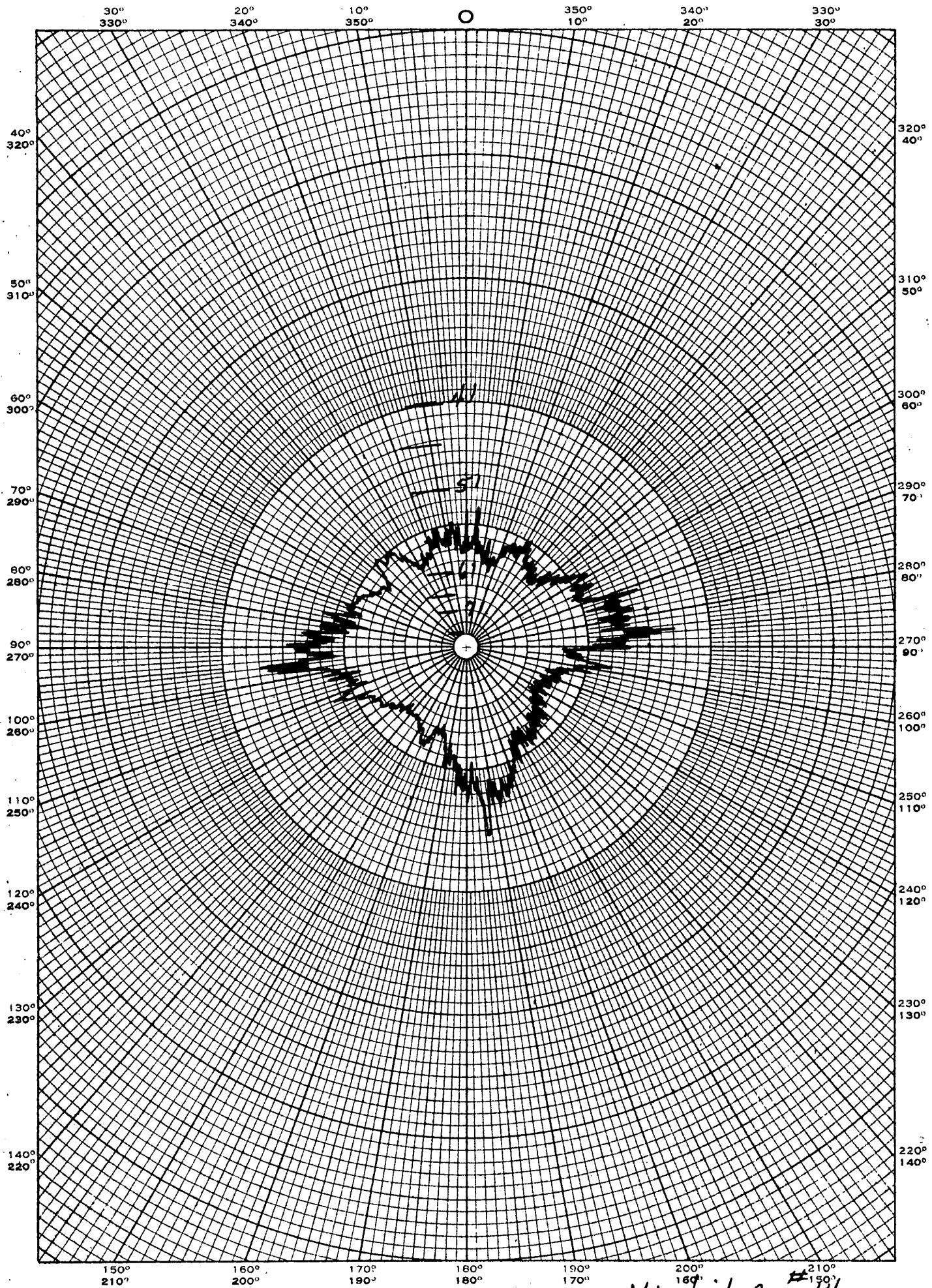
Frequency	2900 + - 150	MC
Power Output	22	
Corner Reflector	41	
System MDS	80	

Comments

Same as Run #13. Polarization change only

EUGENE DIETZEN CO.
MADE IN U.S.A.

NO. 340R-P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



Handwritten: K. J. Fish. 7 #14

SERIES ~~KINGFISH .7~~
TEST ~~15~~

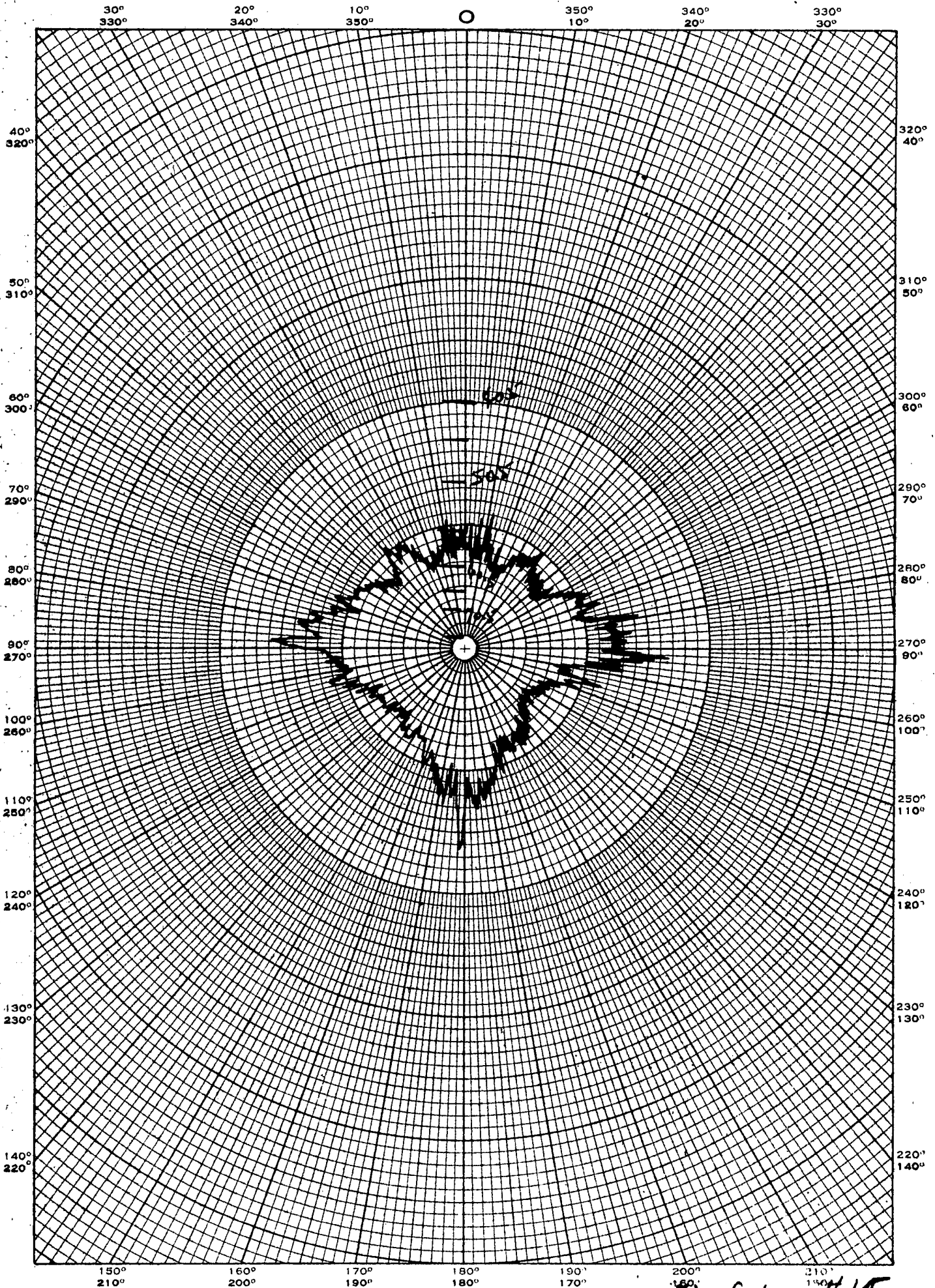
Date	8/23/59		Frequency	2900 + - 150	MC
Time	0045	Hrs.	Power Output	22	
Tilt Angle	10	Degrees	Corner Reflector	10.5	
Polarization	Vertical		System MDS	80	

Comments

Removed hair from lip of movable flap of exhaust. All else same as Run #13.

MADE IN U.S.A.

POLAR CO-ORDINATE



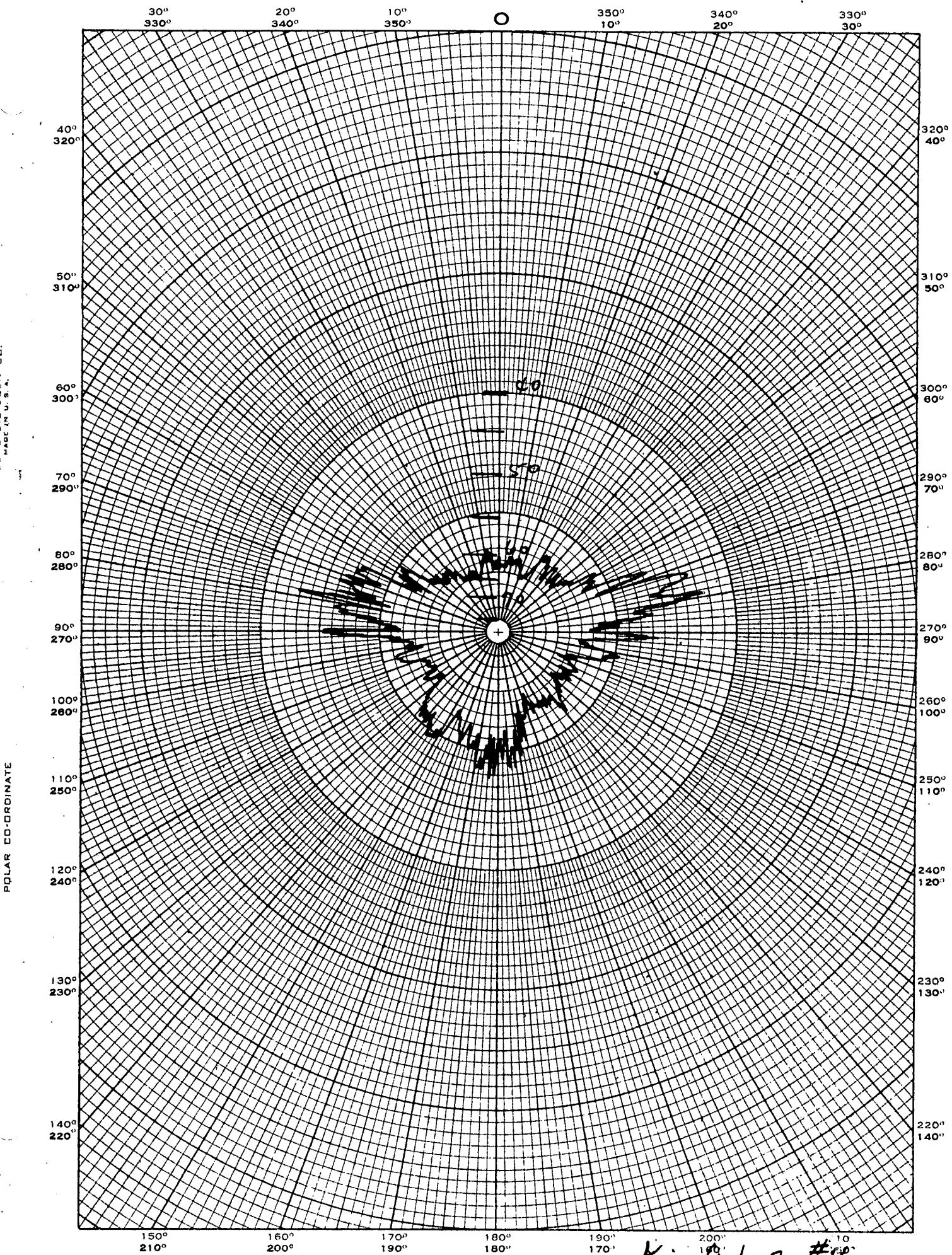
SERIES KINGFISH .7
TEST 16

Date	8/23/59	
Time	0100	Hrs.
Tilt Angle	10	Degrees
Polarization	Horizontal	

Frequency	2900 + - 150	MC
Power Output	22	
Corner Reflector	10	
System MDS	82	

Comments

Same as Run #15. Polarization change only



SERIES KINGFISH .7
TEST 17

Date	8/23/59
Time	0140 Hrs.
Tilt Angle	10 Degrees
Polarization	Horizontal

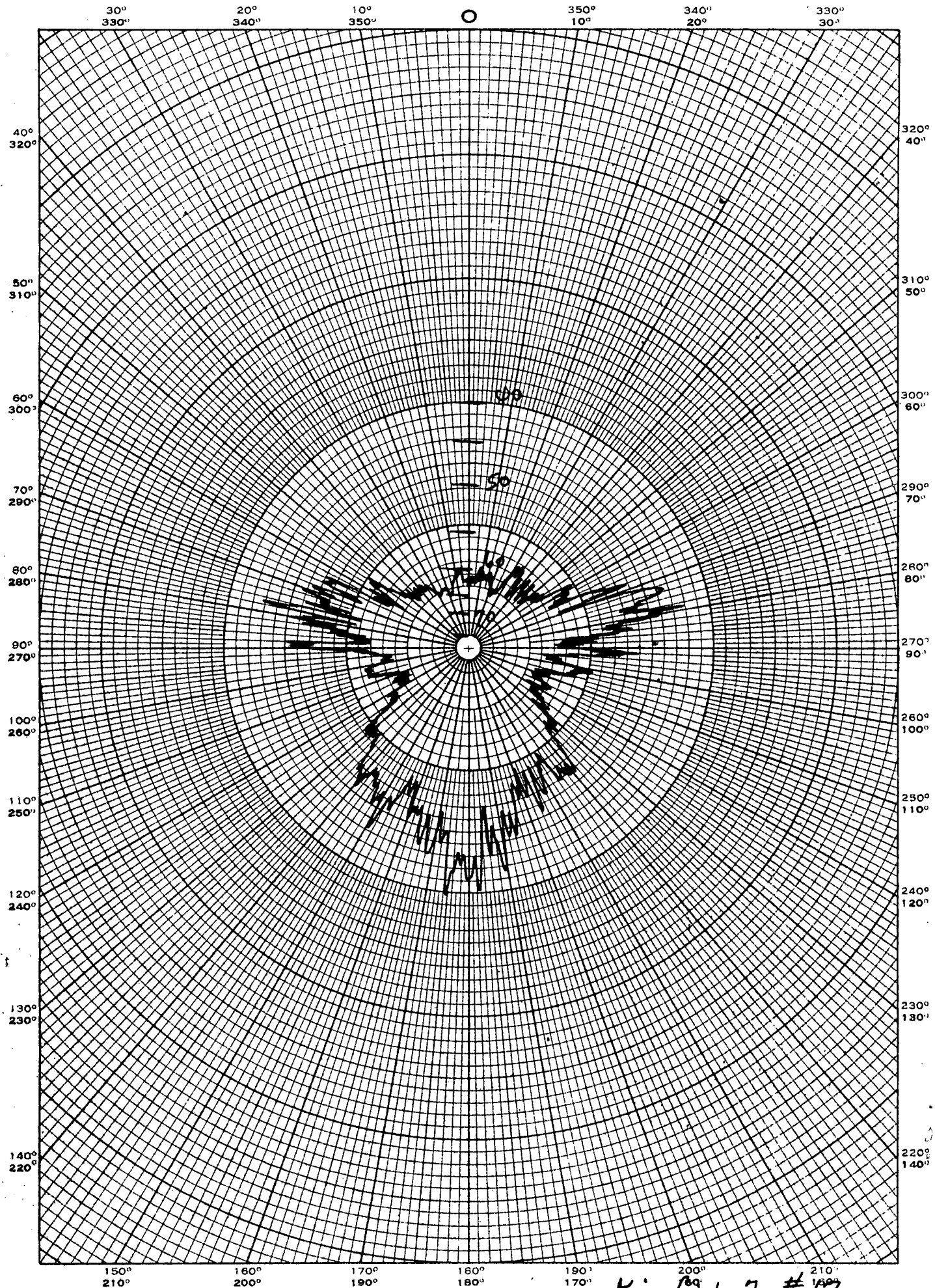
Frequency	2900 + - 150	MC
Power Output	22	
Corner Reflector	40	
System MDS	30	

Comments

Removed hair from transition section of exhaust. All also same as Run #15.

EUGENE DIETZEN CO.
MADE IN U. S. A.

NO. 340R-P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



Kinetic 7 #107

SERIES KINGEISH .7
TEST 18

Date	8/23/59
Time	0150 Hrs.
Tilt Angle	10 Degrees
Polarization	Vertical

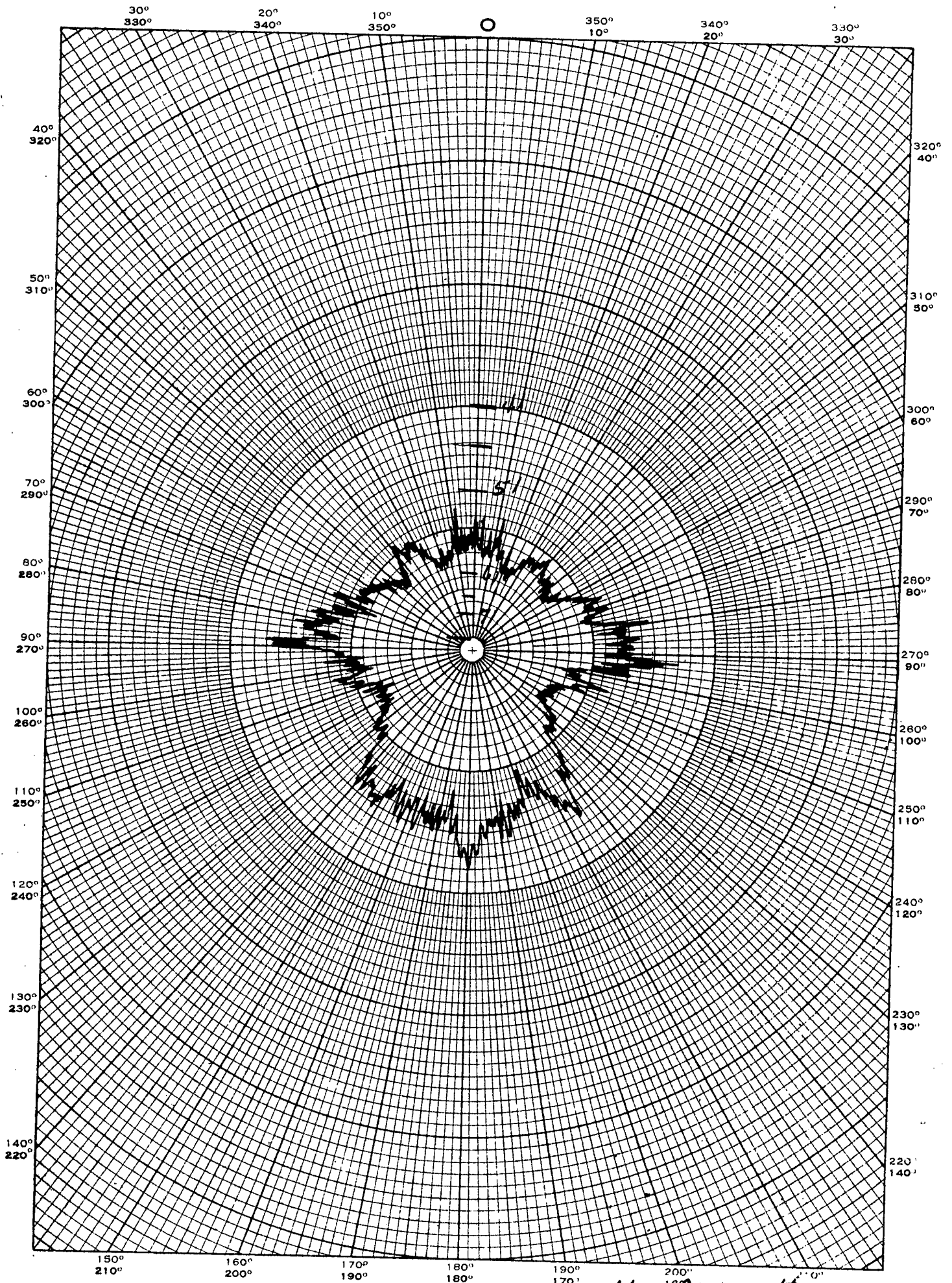
Frequency	2900 + - 150	MC
Power Output	22	
Corner Reflector	h1	
System MDS	80	

Comments

Same as Run #17. Polarization change only

EUGENE DIETZEN CO.
MADE IN U.S.A.

POLAR CO-ORDINATE
GRAPH PAPER



Kingfisher #18

SERIES KDMFEM .7
TEST 12

Date	8/24/59
Time	1120 Hrs.
Tilt Angle	10 Degrees
Polarization	Horizontal

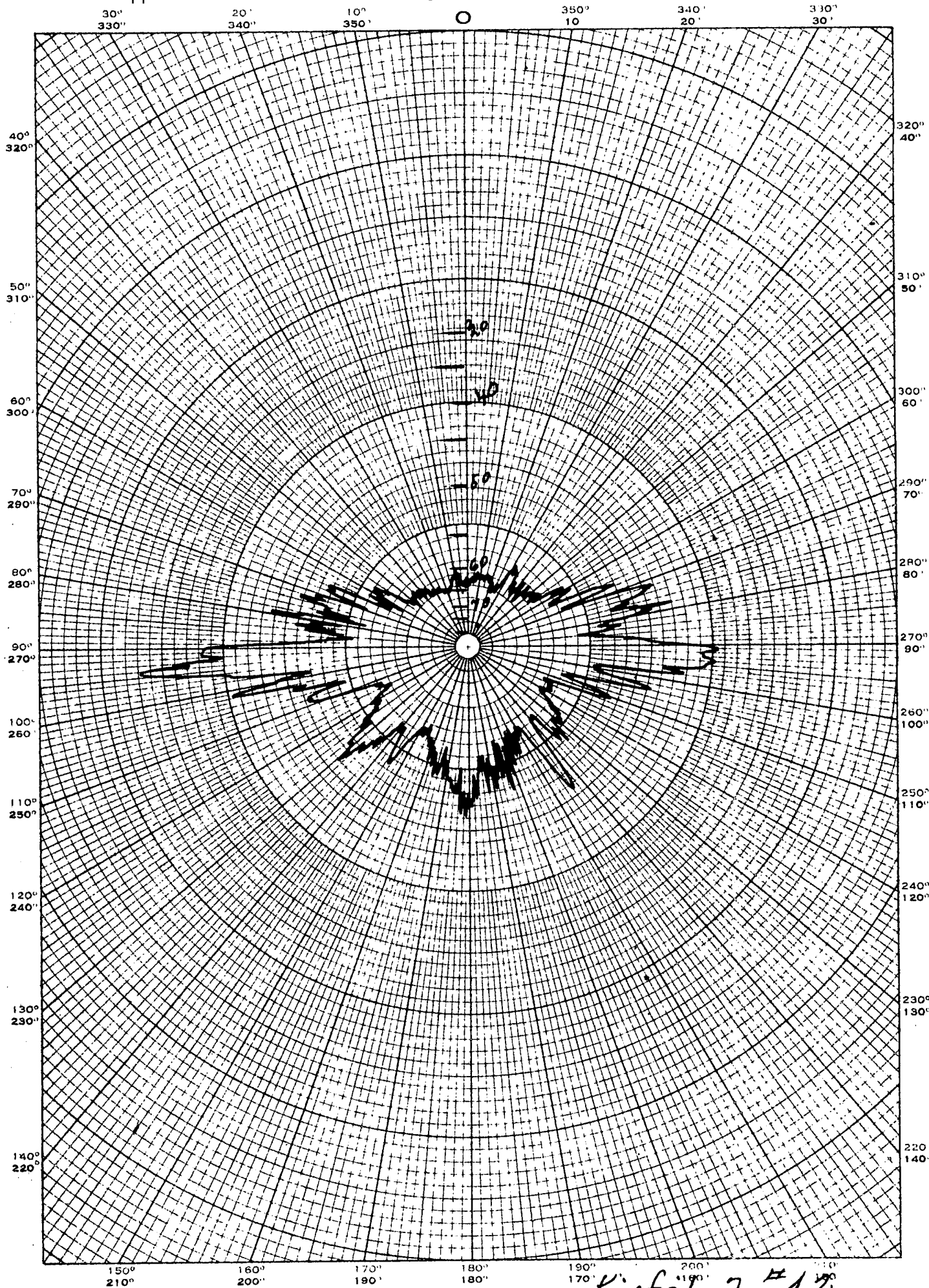
Frequency	2900 + - 150	MC
Power Output	20	
Corner Reflector	10	
System MDS	30	

Comments

Same as Sam #1. Polarization change only

EUGENE DIETZEN CO.

ND. 340R-P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



Kingfish 7 #42

SERIES REFLECTOR .7
TEST 13

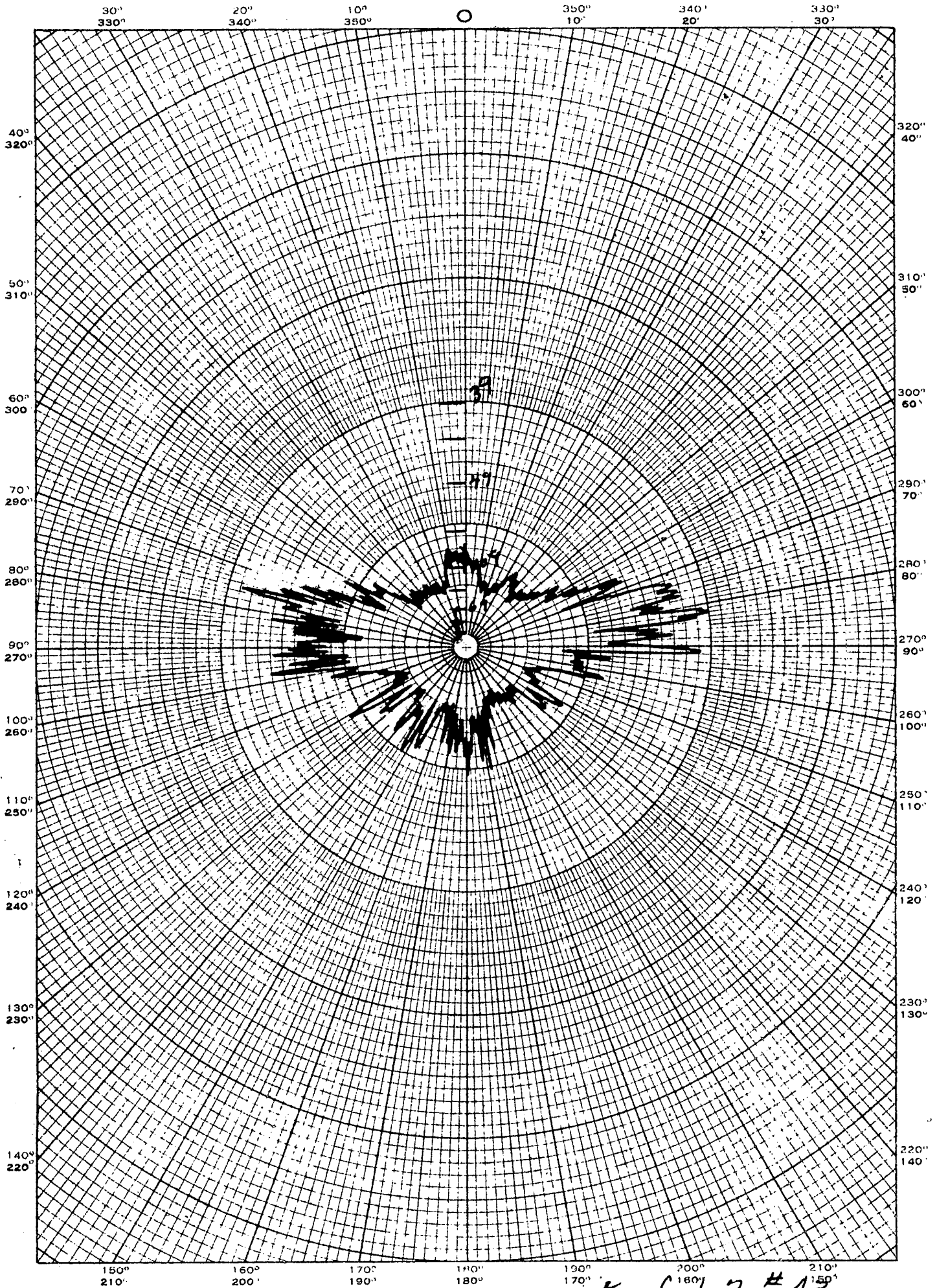
Date	8/24/59
Time	1130 Hrs.
Tilt Angle	20 Degrees
Polarization	Horizontal

Frequency	2900 + - 100	MC
Power Output	20	
Corner Reflector	39	
System MDS	00	

Comments

Same as Run #11. Tilt angle change only

EUGENE DIETZEN ED.
MADE IN U.S.A.
POLAR CO-ORDINATE
GRAPH PAPER



SERIES KIRBY .7
TEST 11

Date	8/24/59
Time	1110 Hrs.
Tilt Angle	20 Degrees
Polarization	Vertical.

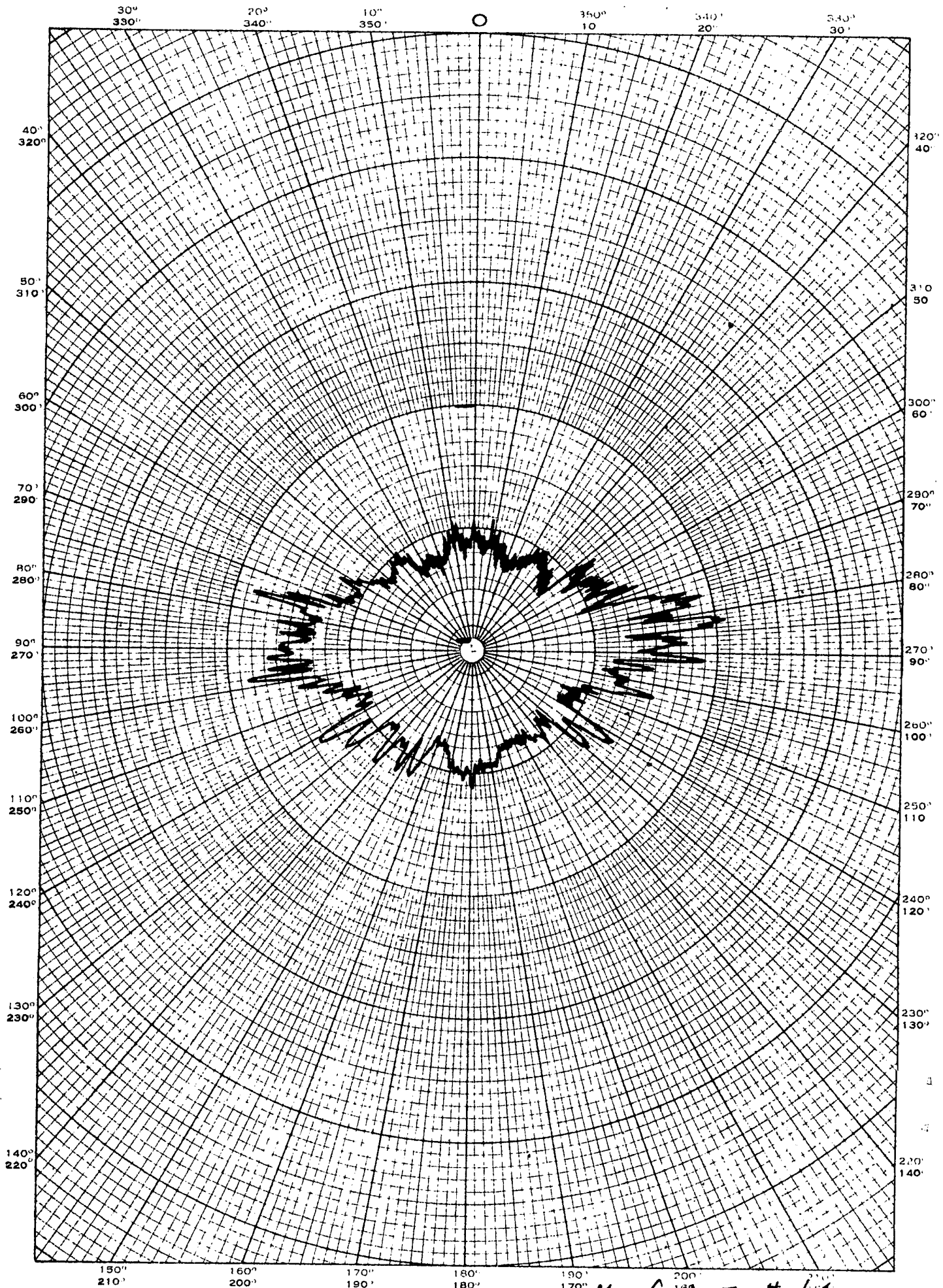
Frequency	2000 + - 510 150 MC
Power Output	20
Corner Reflector	
System MDS	

Comments

Same as Run #13. Polarization change only. Request no calibration

EUGENE DIETZGEN CO.
MADE IN U.S.A.

NO. 3400-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



Kingfish. 7 #44

SERIES REPAIR 7
TEST 15

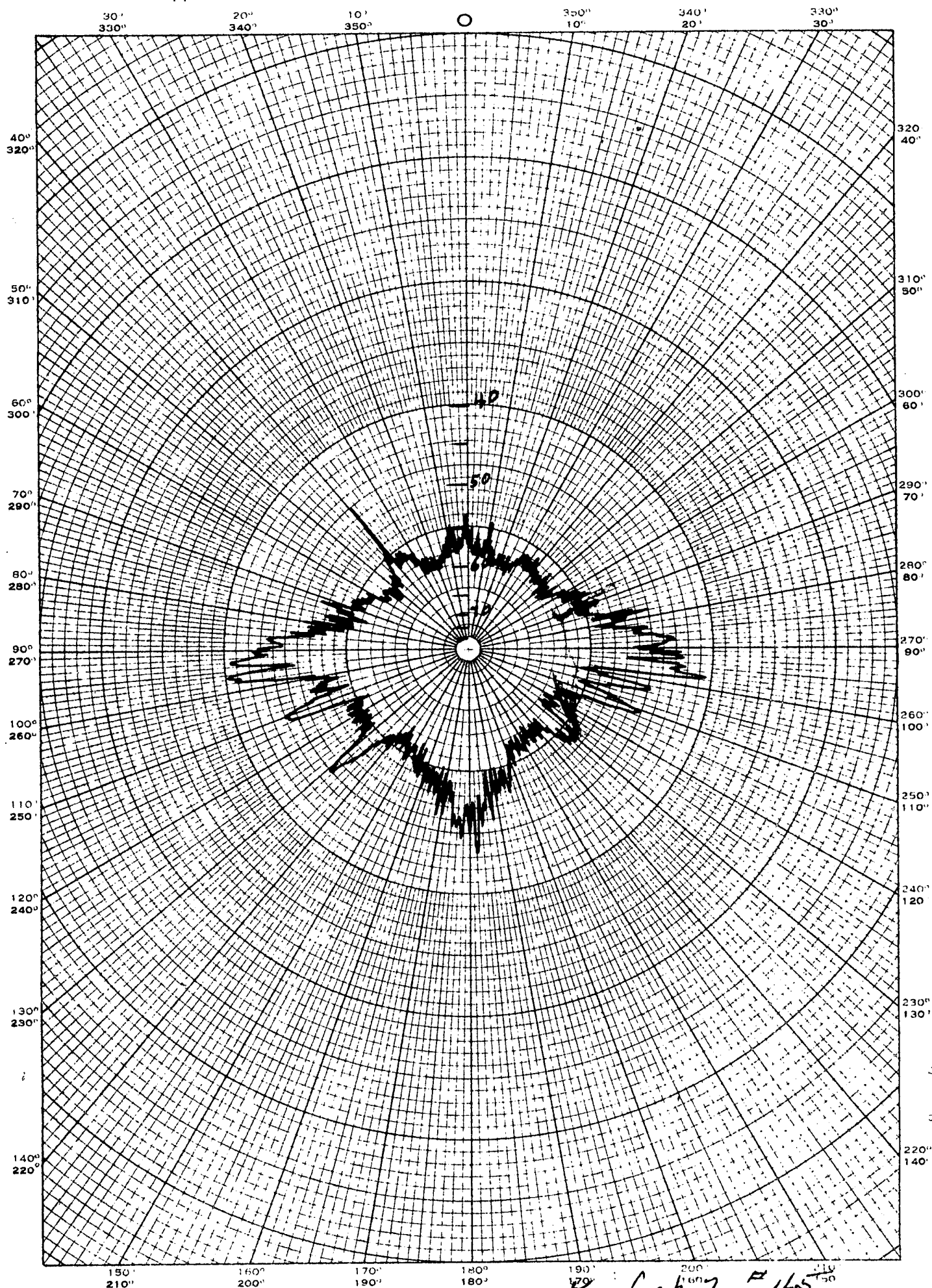
Date	8/21/59
Time	1220 Hrs.
Tilt Angle	10 Degrees
Polarization	Vertical

Frequency	2900 ± 1.0 MC
Power Output	20
Corner Reflector	10
System MDS	80

Comments

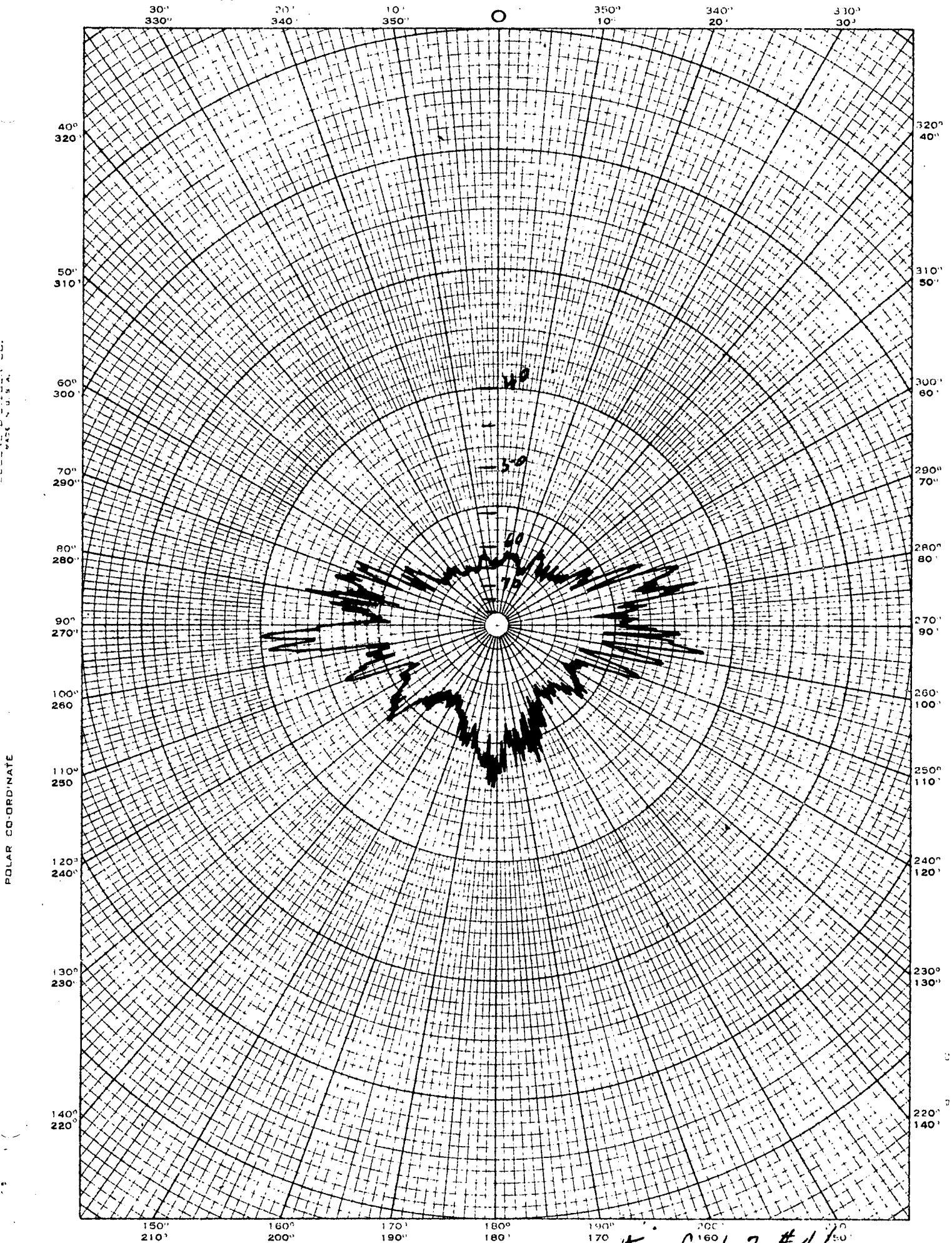
Same as Run #1 except haired inside surfaces of 0 degree wing. Followed contours in those areas that extended beyond the wing.

EUGENE DIEZIGEN CO.
MADE IN U.S.A.
ND. 340R-P DIEZIGEN GRAPH PAPER
POLAR CO-ORDINATE



Frequency	2910 + - 150	MC
Power Output	25	
Corner Reflector	10	
System MDS	30	

Same as Run #45. Polarization change only



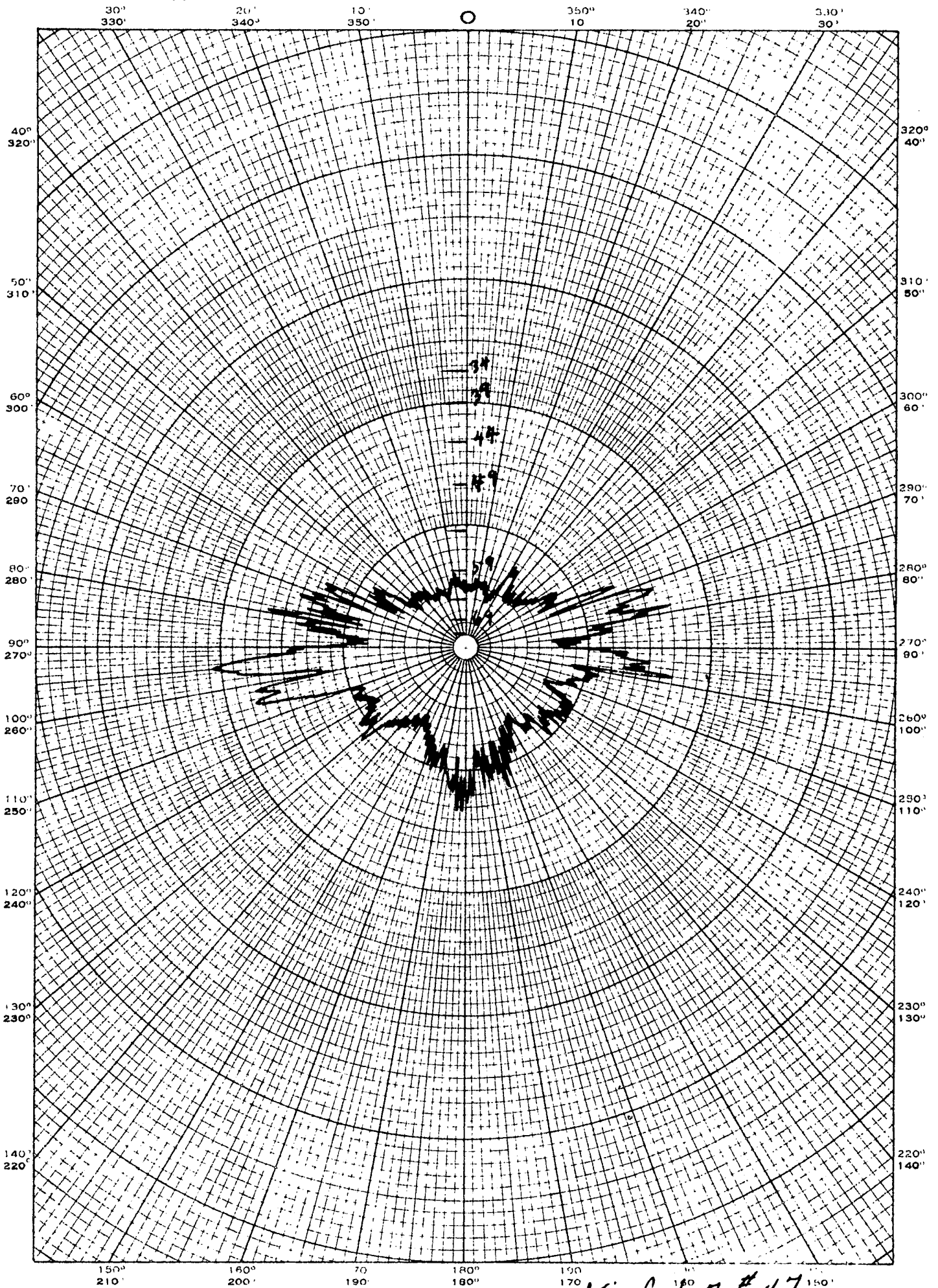
SERIES XXXXXXXX .7
 TEST 17

Date	8/24/59	Frequency	2900 + - 100	MC
Time	1345 Hrs.	Power Output	20	
Tilt Angle	10 Degrees	Corner Reflector	39	
Polarization	Horizontal	System MDS	80	

Comments

Same as Run #15 except cut 2 1/2" from trailing edge of vertical fins.

EUGENE DISTINGEN CO.
MADE IN U.S.A.
POLAR CO-ORDINATE



SERIES KXKFIH .7
 TEST L8

Date	8/21/59	
Time	1355	Hrs.
Tilt Angle	10	Degrees
Polarization	Vertical	

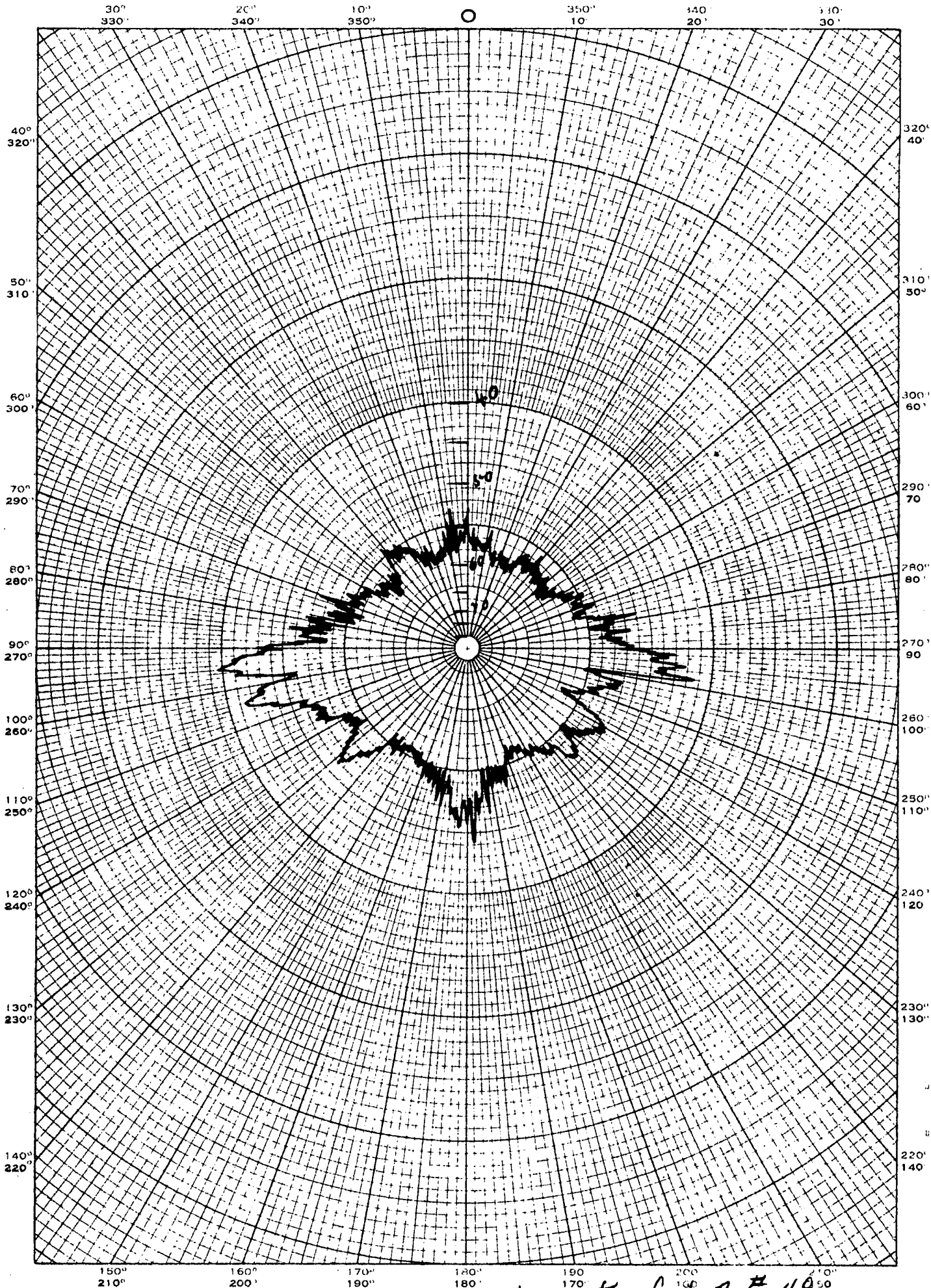
Frequency	2900 + - 150	MC
Power Output	20	
Corner Reflector	40	
System MDS	30	

Comments

Same as Run #17. Polarization change only

EUGENE DIETZEN CO.
MADE IN U.S.A.

NO. 340R-P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



Kingfish 7 # 48

SERIES ~~AT-1000-7~~
 TEST ~~19~~

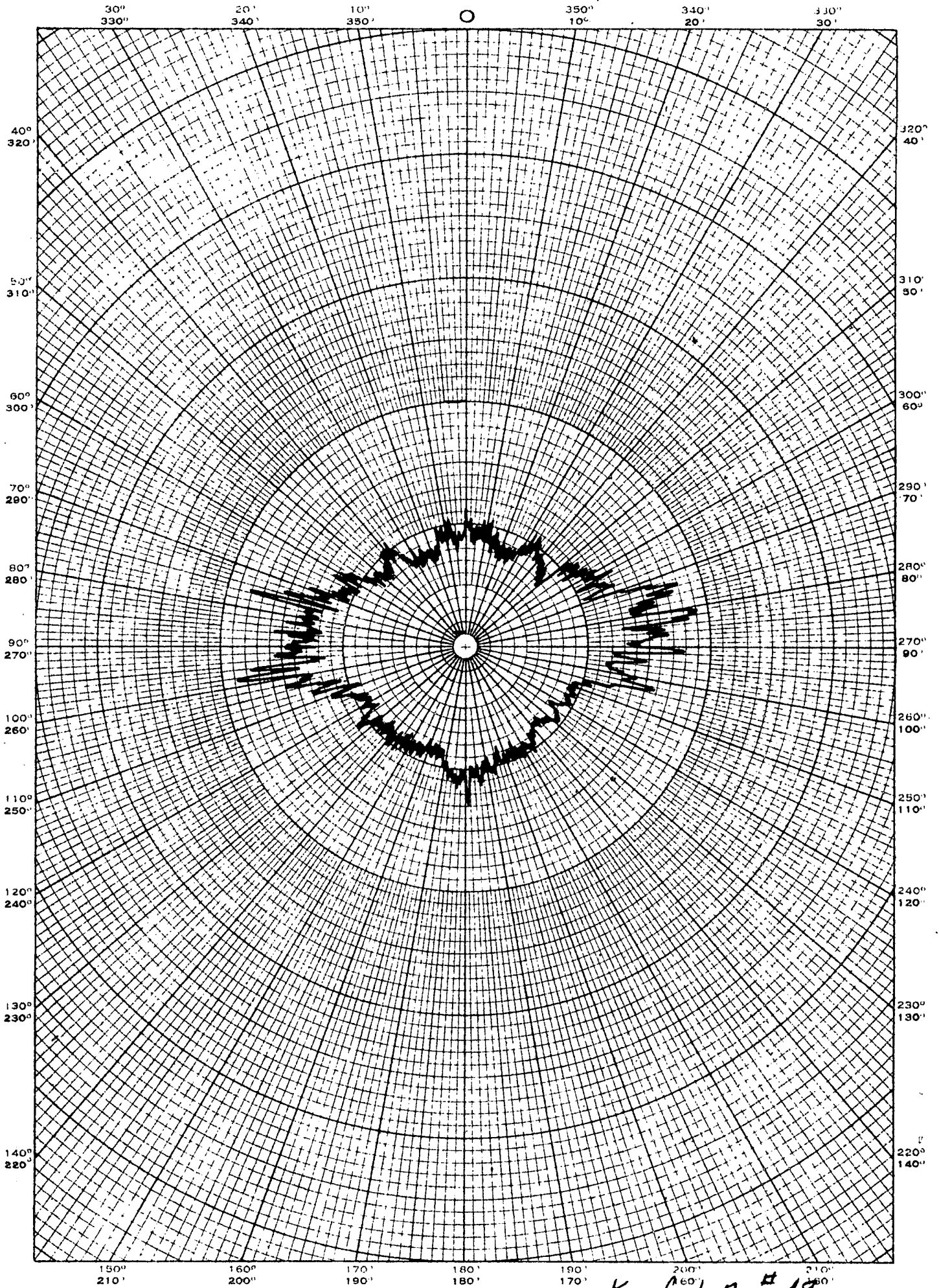
Date	3/24/59	
Time	1405	Hrs.
Tilt Angle	20	Degrees
Polarization	Vertical	

Frequency	2200 \pm 100	MC
Power Output	2	
Corner Reflector		
System	MDS	

Comments

Same as Run #45. Tilt angle change only. Repeat no calibration

EUGENE DIETZEN CO.
MADE IN U.S.A.
NO. 340R-P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



Kinafish. 7 # 49

SERIES ALPHABET 7
TEST 50

Date	8/24/59
Time	1115 Hrs.
Tilt Angle	20 Degrees
Polarization	Horizontal

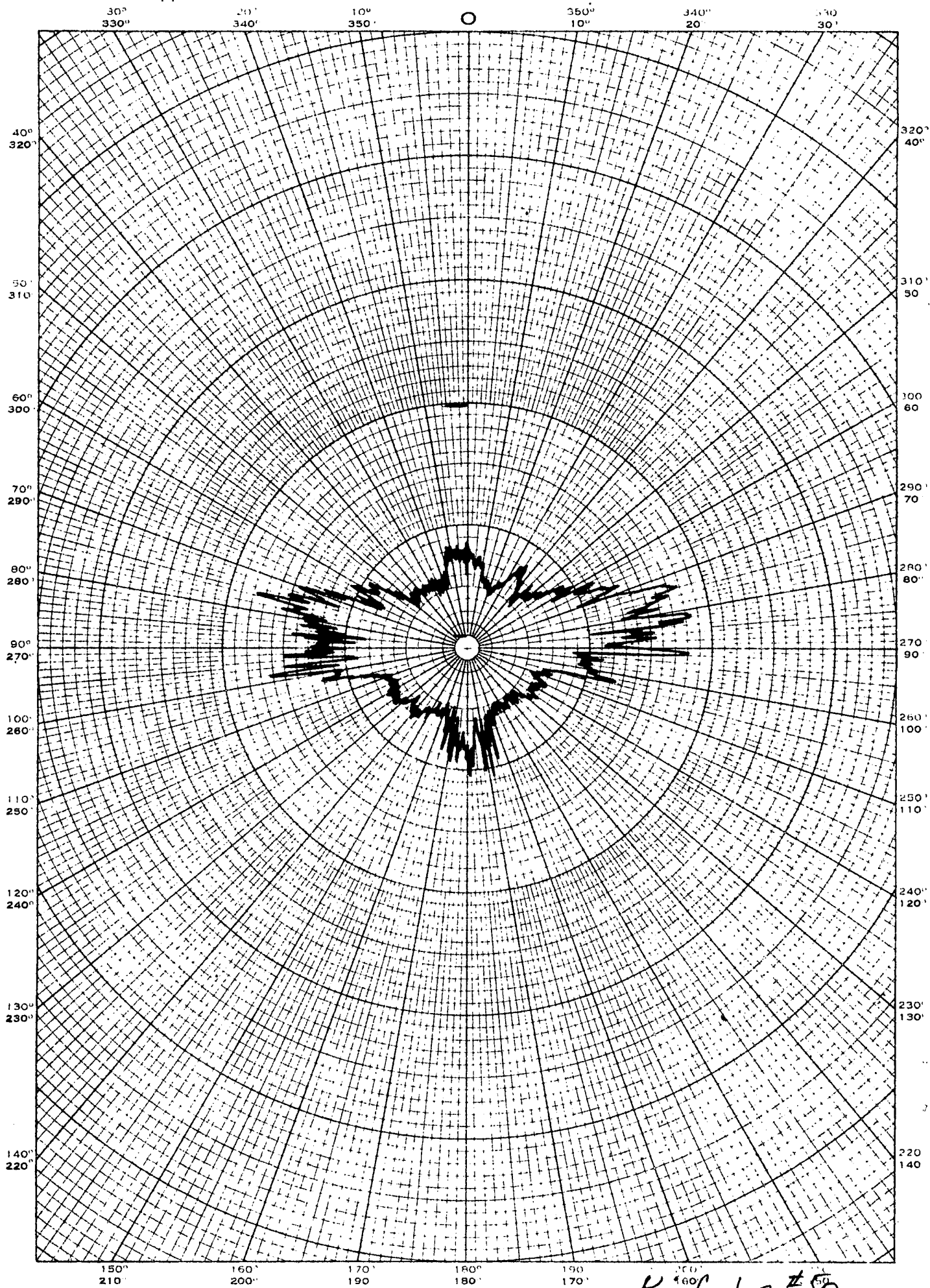
Frequency	2000 + - 100	MC
Power Output	20	
Corner Reflector		
System	MDS	

Comments

Same as Run 549. Polarization change on y. Request no calibration

EUGENE DIETZEN CO.
MADE IN U.S.A.

NO. 340R-P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



SERIES 7
TEST 33

Date	1/21/59
Time	0435 Hrs.
Tilt Angle	10 Degrees
Polarization	Vertical

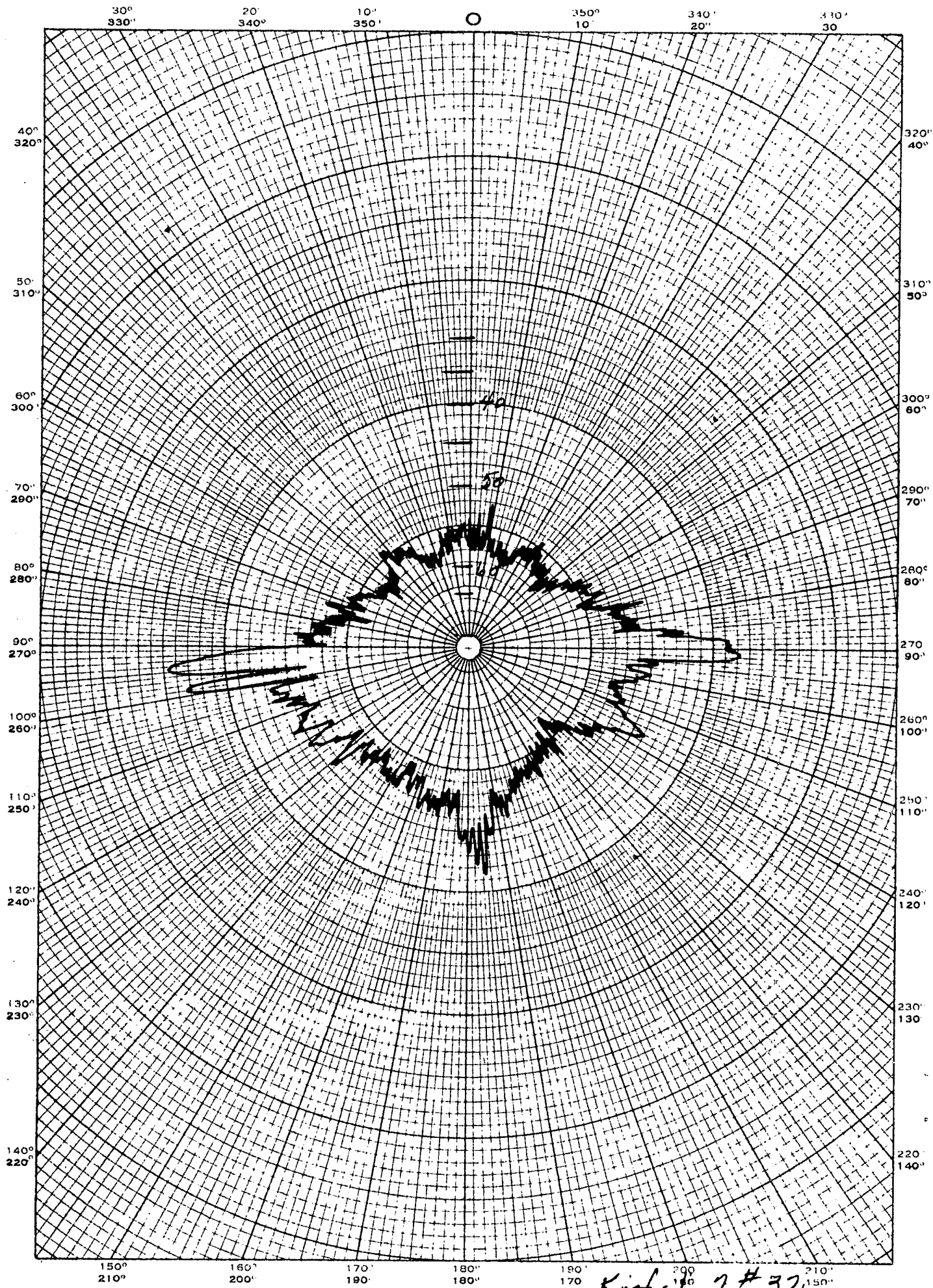
Frequency	2900 + - 100 MC
Power Output	21
Corner Reflector	40
System MDS	01

Comments

Same as Run 31. Polarization change only

ELGENE DIETZGEN CO.
MADE IN U.S.A.

NO. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



Kingfish #7 #32

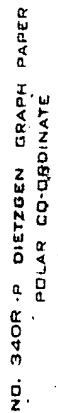
SERIES 7
TEST 33

Date	3/21/42
Time	0115 Hrs.
Tilt Angle	20 Degrees
Polarization	Vertical

Frequency	2900 + - 100 MC
Power Output	21
Corner Reflector	20
System MDS	51

Comments

Tilt angle change. All else same as Run 32.



190' 200
170' 160 #33

SERIES XXXXXXXX .7TEST 31

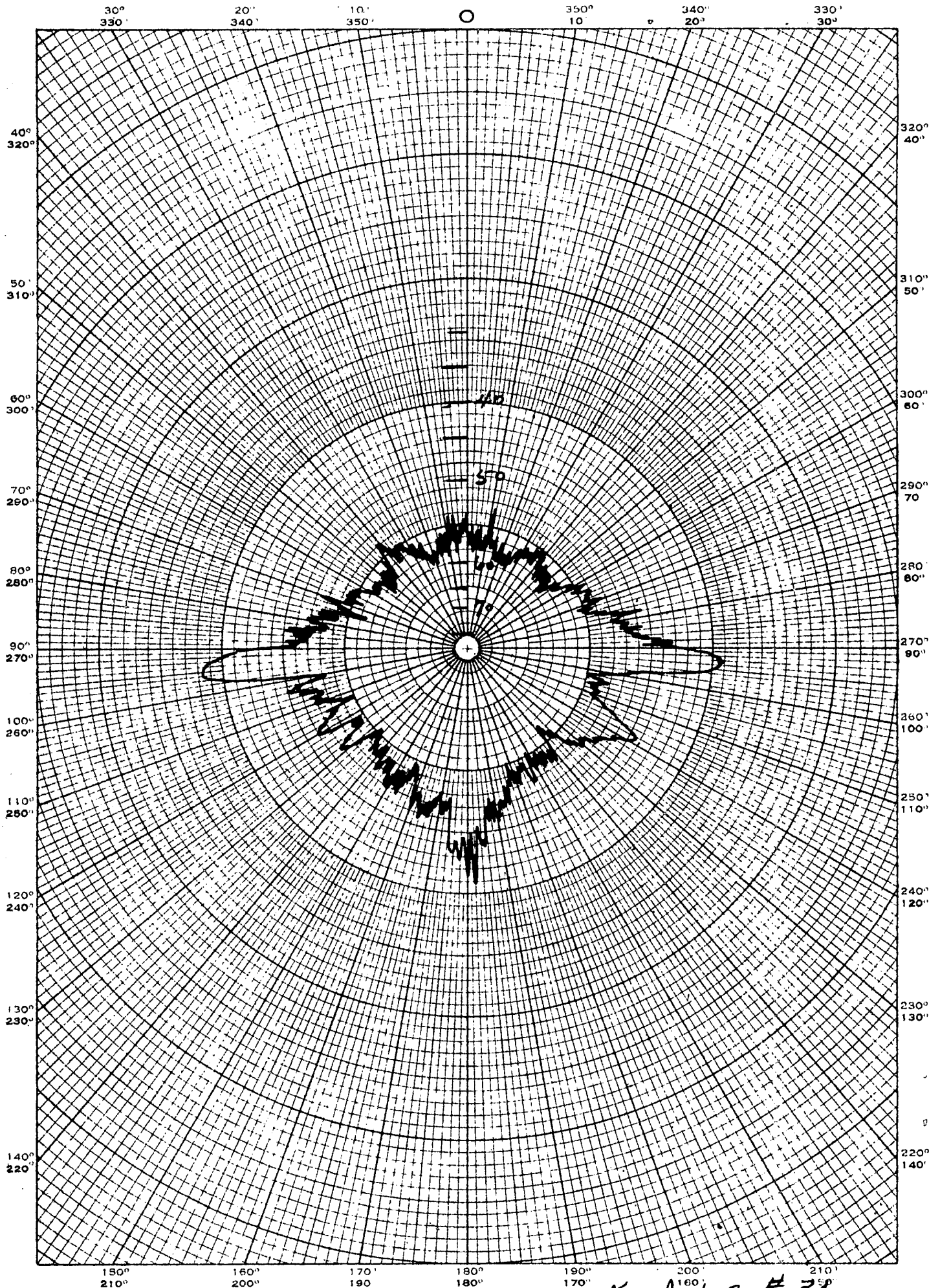
Date	3/11/59	
Time	0930	Hrs.
Tilt Angle	10	Degrees
Polarization	Vertical	

Frequency	2000 + - 1%	MC
Power Output	21	
Corner Reflector	11	
System MDS	01	

Comments

Enclosure tails removed. Splo remains. All else same as Run 31.

EUGENE DIETZGEN CO.
MADE IN U.S.A.
NO. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



SERIES XXXXXXXXXX
 TEST XXXXXXXXXX
35

Date	3/24/59	
Time		Hrs.
Tilt Angle	65.5	Degrees
Polarization	25	
	Vertical	

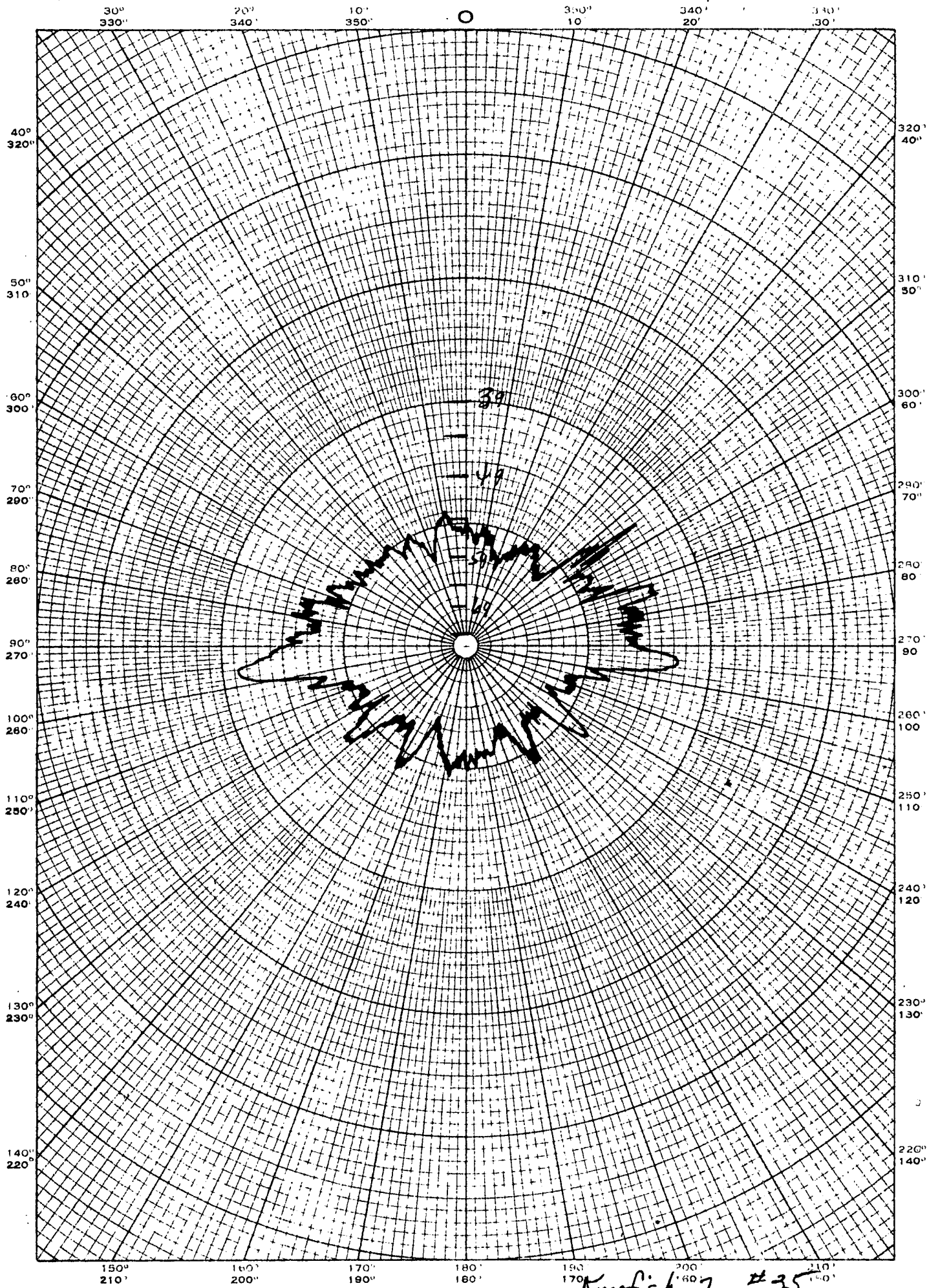
Frequency		MC
Power Output	2500	W
Corner Reflector	20	
System MDS	30	
	01	

Comments

Tilt angle changed. All else same as item #31.

EUGENE DIETZEN CO.
MADE IN U.S.A.

NO. 340R-P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



SERIES 7
TEST 2

Date	2/21/79	
Time	0700	Hrs.
Tilt Angle	10	Degrees
Polarization	Vertical	

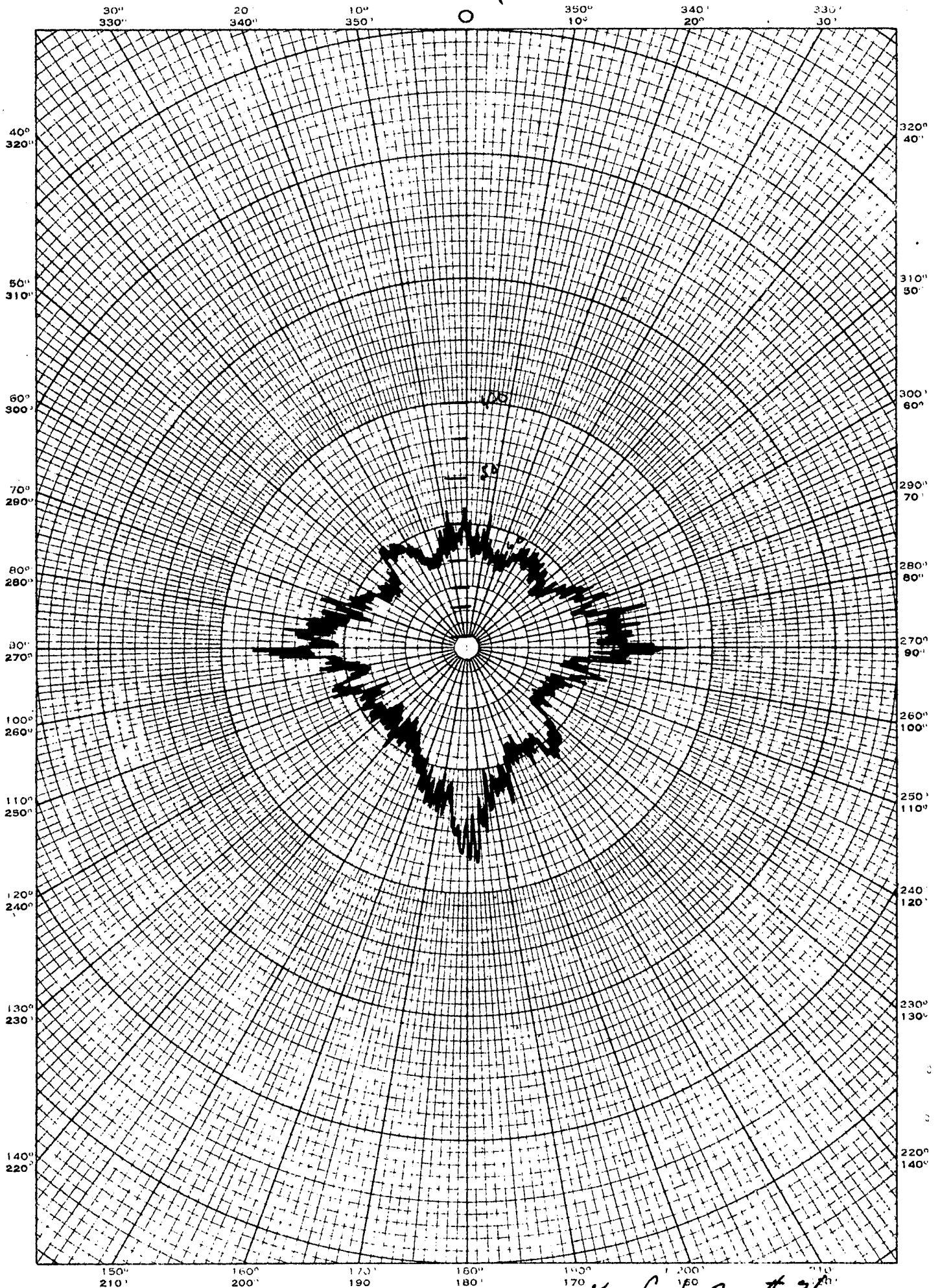
Frequency	100 + 10	MC
Power Output	10	
Corner Reflector	10	
System MDS	10	

Comments

Removed Wilsons. Installed side Sensors. All else same as Run #34.

EUGENE DIETZGEN CO.
U.S.A.

NO. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



Kingfisher 7 #36

SERIES KINGPIN .7
TEST 37

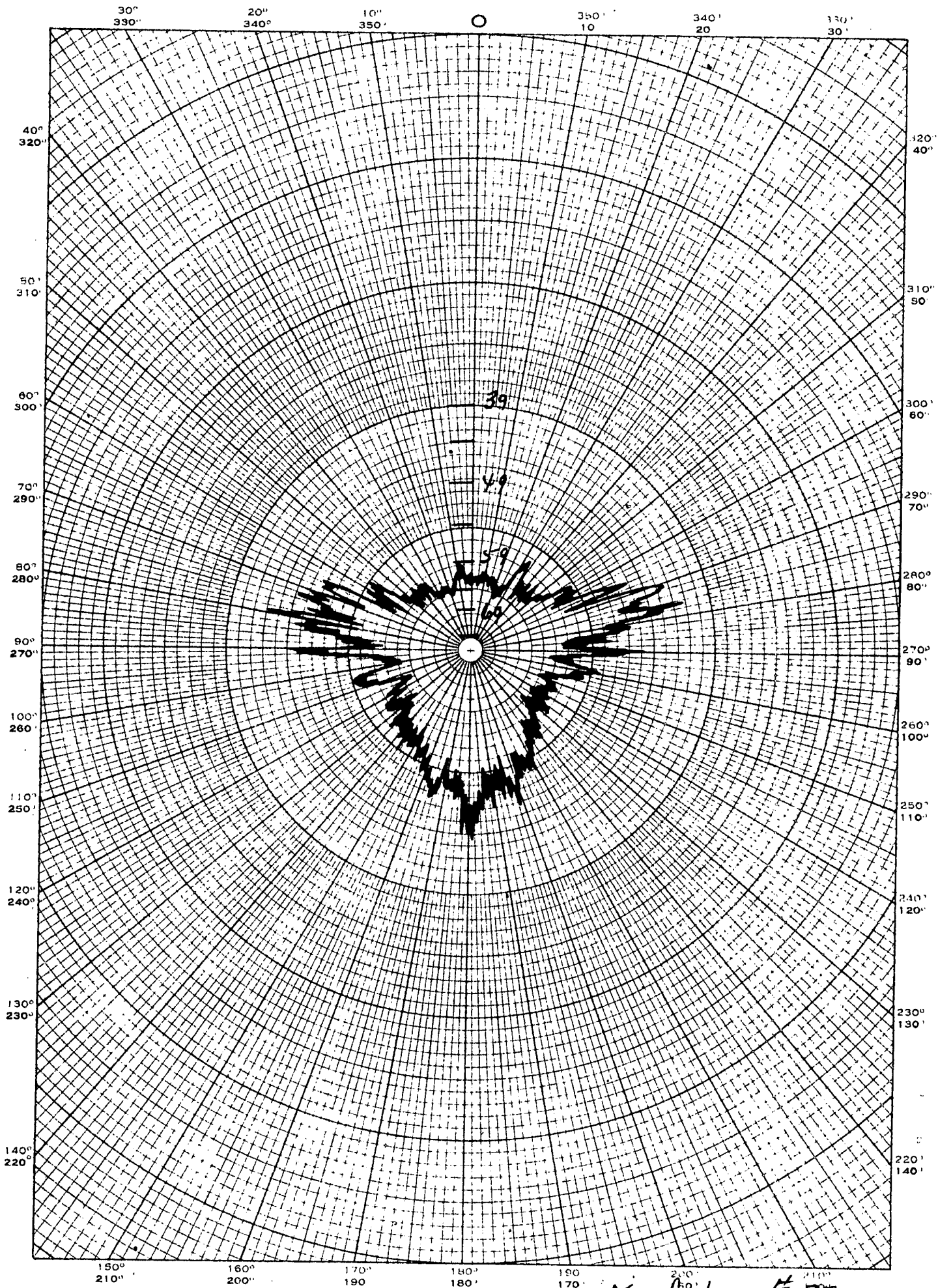
Date	8/24/59
Time	0805 Hrs.
Tilt Angle	10 Degrees
Polarization	Horizontal

Frequency	2900 + - 100	MC
Power Output	20	
Corner Reflector	39	
System MDS	91	

Comments

Same as Run #36. Polarization change only

EUGENE DIETZGEN CO.
MADE IN U.S.A.
NO. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



SERIES WILSON 7
TEST 38

Date	3/21/50
Time	1000 Hrs.
Tilt Angle	10 Degrees
Polarization	Vertical

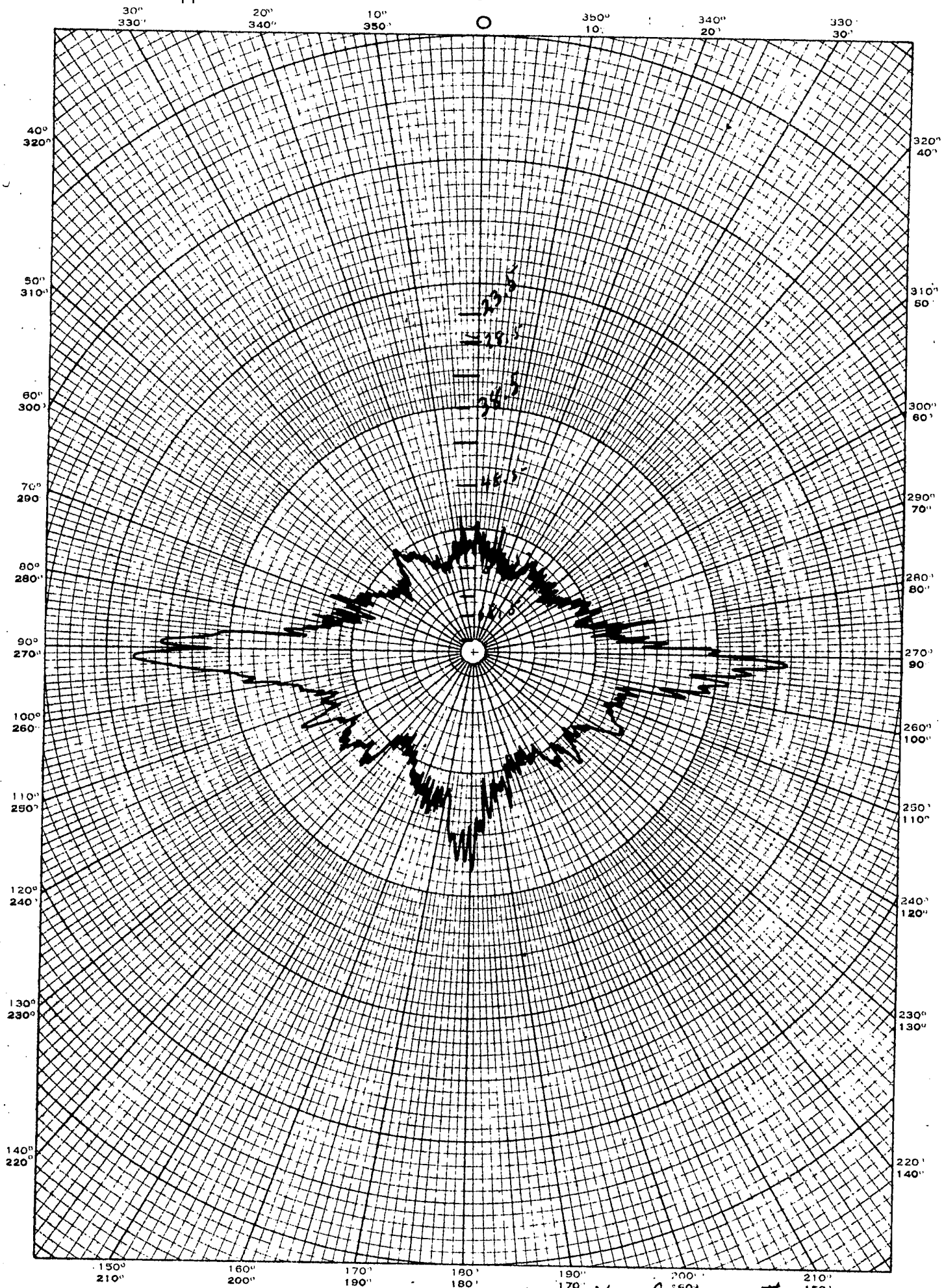
Frequency	2000 + - 100 MC
Power Output	20
Corner Reflector	33.5
System MDS	80

Comments

Same as Run 36 except added wing mounted 8 degree inboard tails.

EUGENE DIETZGEN CO.
MADE IN U.S.A.

POLAR CO-ORDINATE



SERIES KINGPIN .7
TEST 39

Date	8/21/59
Time	1010 Hrs.
Tilt Angle	10 Degrees
Polarization	Horizontal

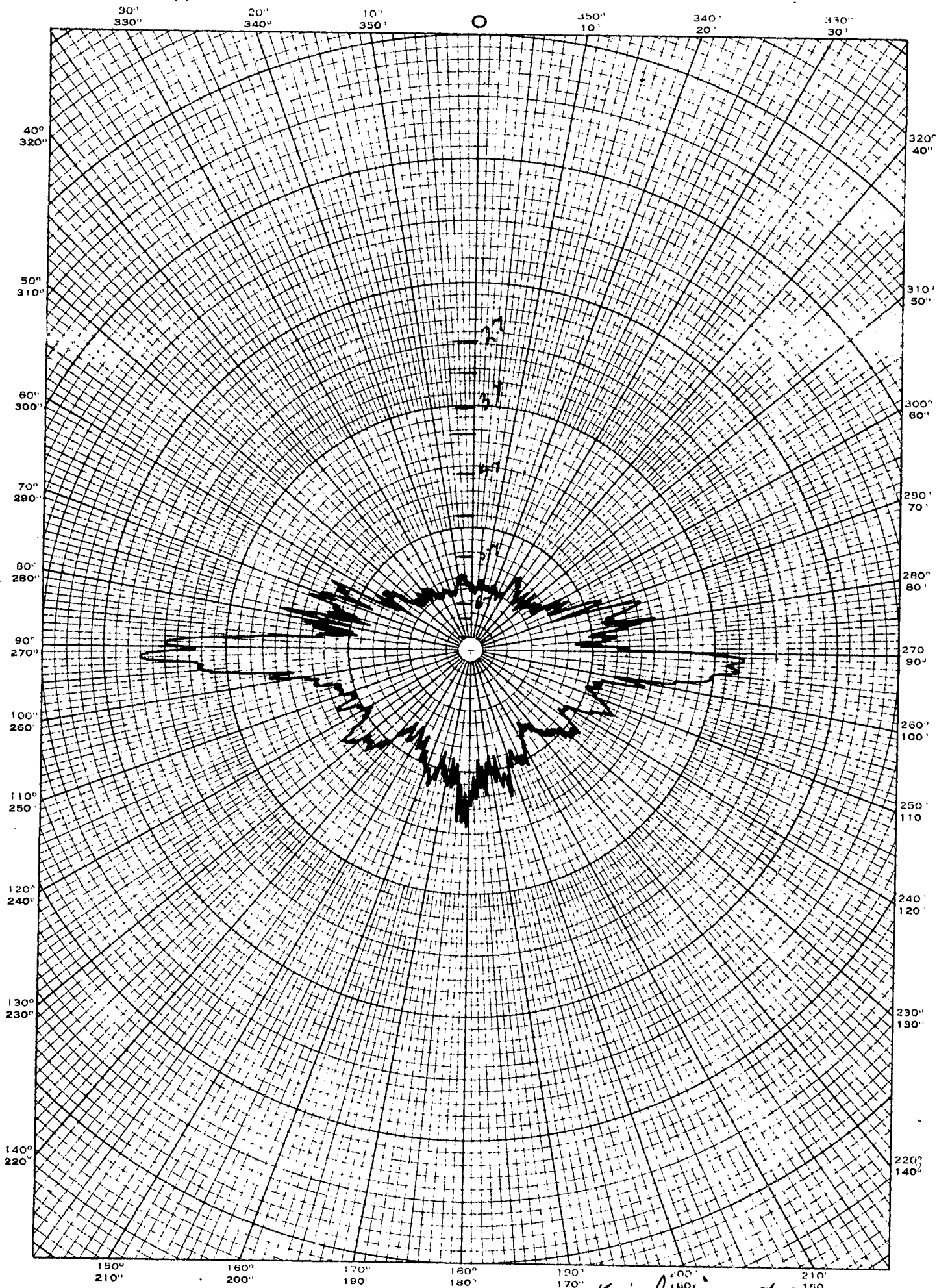
Frequency	2900 + - 100	MC
Power Output	20	
Corner Reflector	37	
System MDS	80	

Comments

Same as Run #38. Polarization change only

EUGENE DIETZEN CO.
NEW YORK, N. Y. U. S. A.

IND. STOCK P. DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



Kingfisher #39

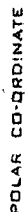
SERIES REFLECT .7
TEST 40

Date	8/24/59
Time	1025 Hrs.
Tilt Angle	20 Degrees
Polarization	Horizontal

Frequency	2900 + - 150	MC
Power Output	20	
Corner Reflector	39.5	
System MDS	80	

Comments

Same as Run #36 except degree and polarization changed



SERIES TR 8000 7
 TEST 17

Date	8/24/59	
Time	1110	Hrs.
Tilt Angle	10	Degrees
Polarization	Vertical	

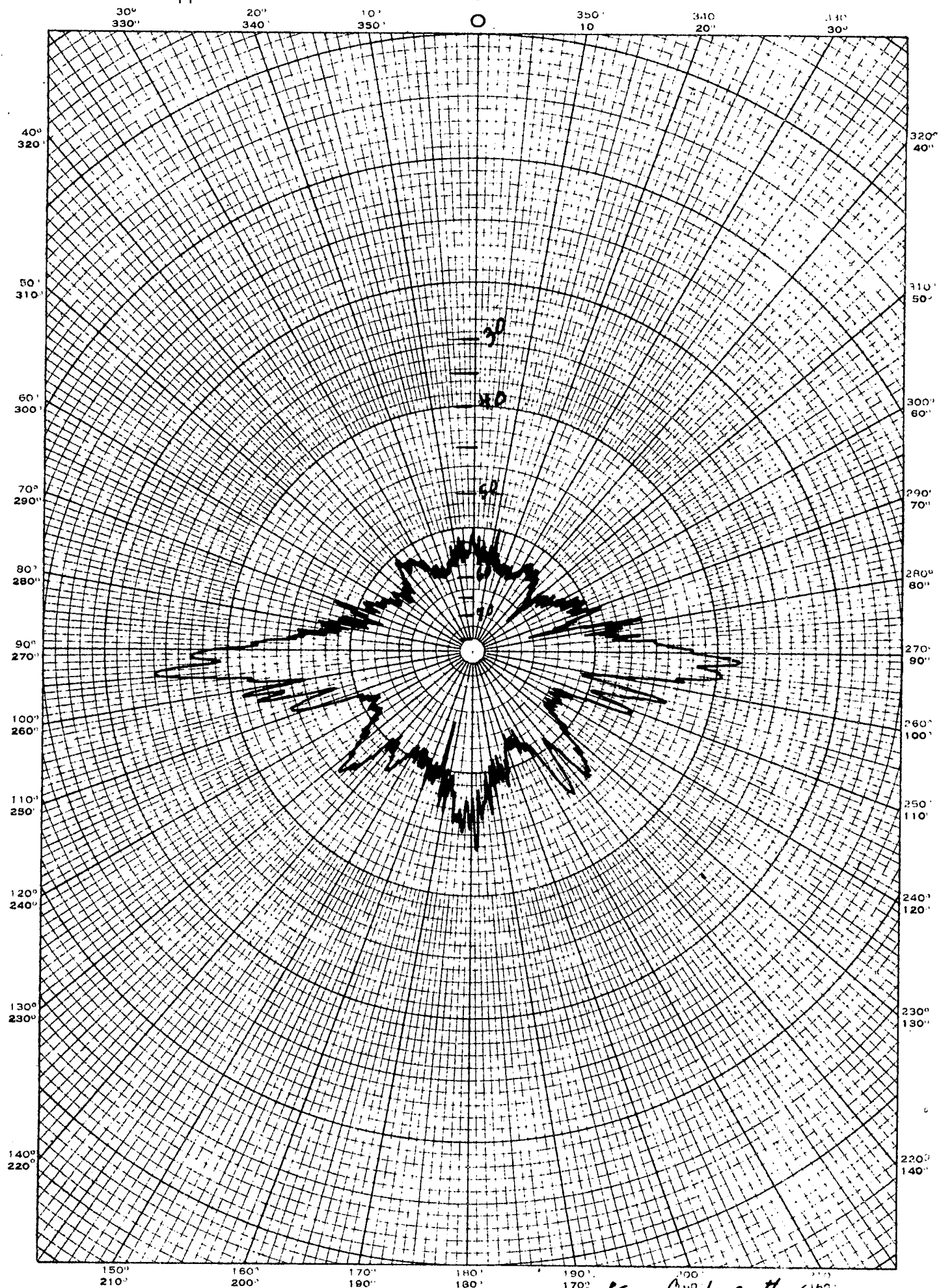
Frequency	2900 ± 10	MC
Power Output	23	
Corner Reflector	10	
System MDS	50	

Comments

Same as Run 638 except changed tilt to 0 tilt.

EUGENE DIETZGEN CO.
MADE IN U.S.A.

DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



SERIES KINDLE 7
TEST 25

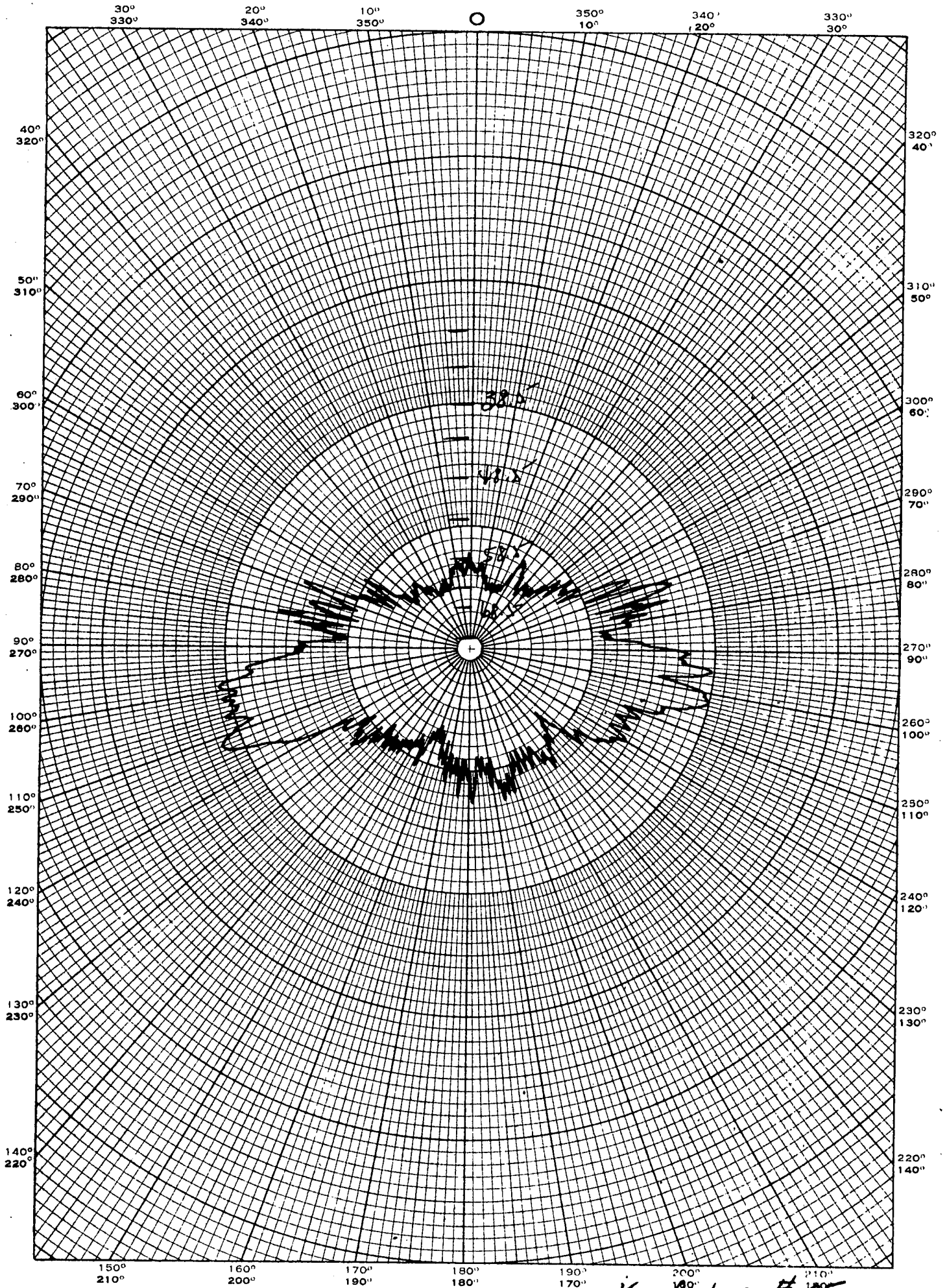
Date	3/24/59
Time	0110 Hrs.
Tilt Angle	15 Degrees
Polarization	Horizontal

Frequency	2000 + - 10	MC
Power Output	21	
Corner Reflector	32.5	
System MDS	31	

Comments

Same as Run #23 except tilt angle changed.

EUGENE DIEZBEN CO.
MADE IN U.S.A.
POLAR CO-ORDINATE



SERIES REVISION 7
TEST 26

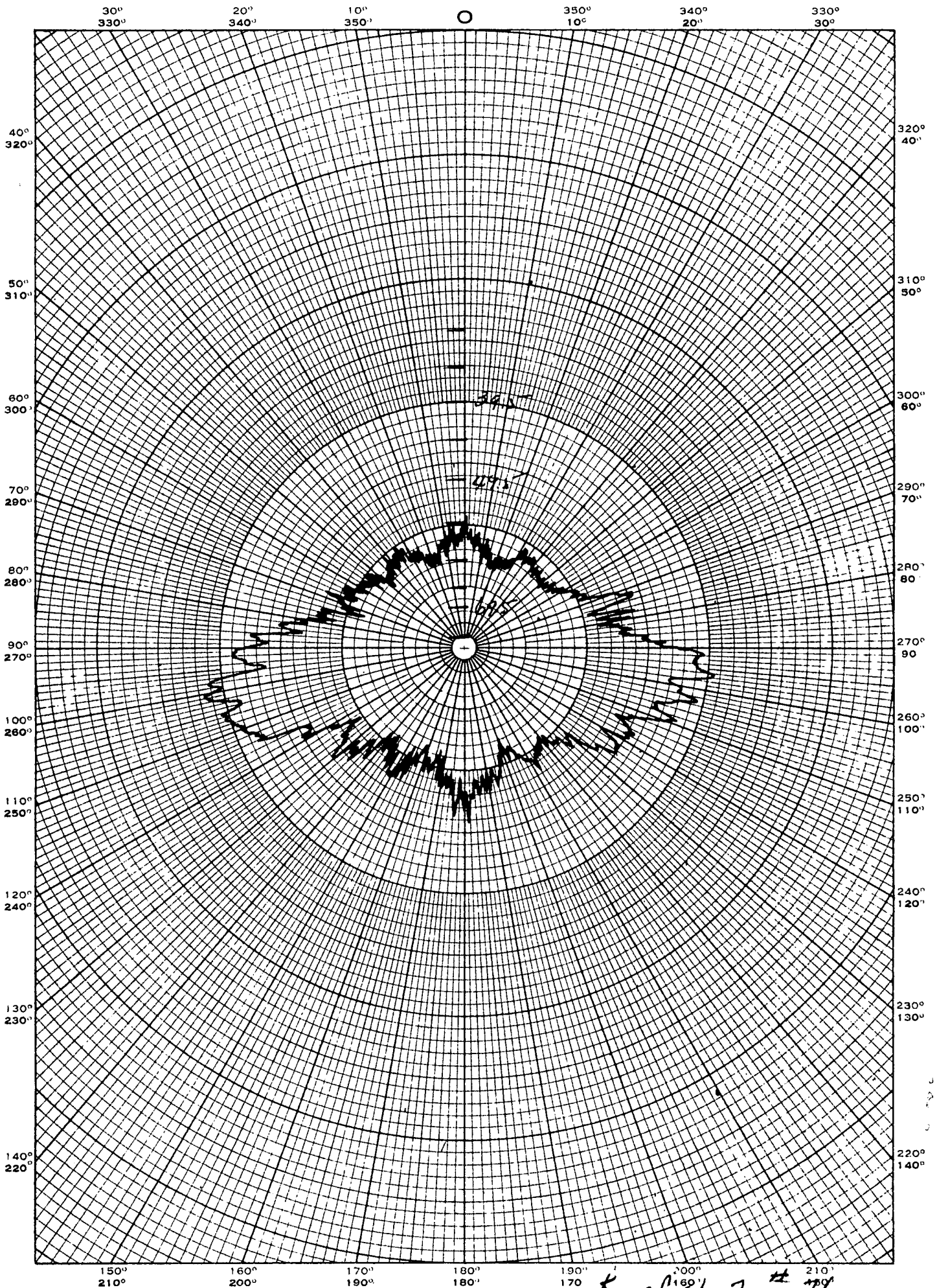
Date	8/24/59
Time	0125 Hrs.
Tilt Angle	15 Degrees
Polarization	Vertical

Frequency	2000 - - 100	MC
Power Output	20	
Corner Reflector	30.5	
System MDS	01	

Comments

Same as Run 25. Polarization change only

EUGENE DIETZEN CO.
MADE IN U.S.A.
POLAR CO-ORDINATE



SERIES XXXXXXXX-7
 TEST 27

Date	8/21/59	
Time		Hrs.
Tilt Angle	0140	Degrees
Polarization	20	
	Vertical	

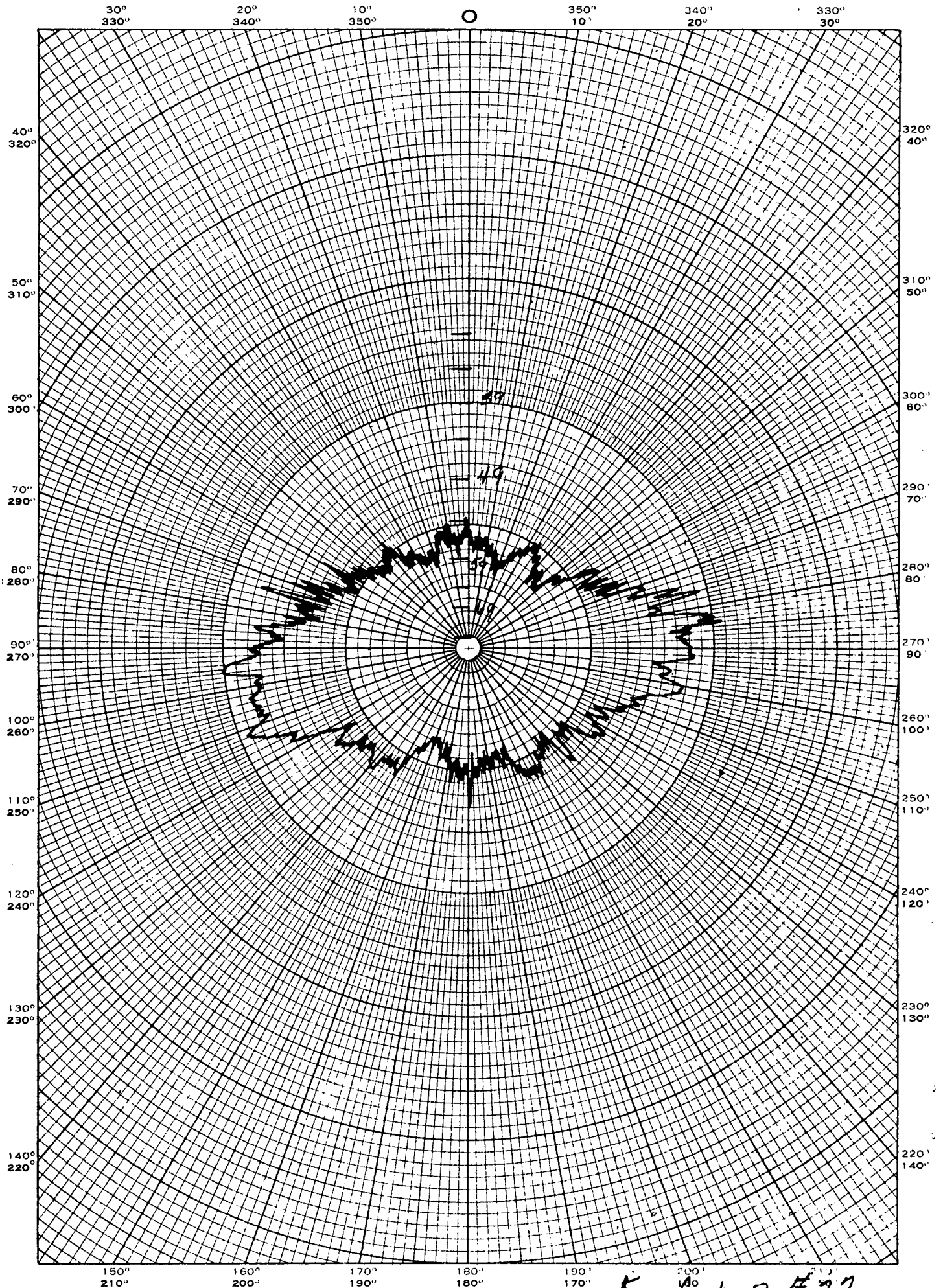
Frequency	2000 + - 150	MC
Power Output	21	
Corner Reflector	30	
System MDS	31	

Comments

Same as Run 26 except tilt angle changed

EUGENE DIETZGEN CO.
MADE IN U. S. A.

NU. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



SERIES XXXXXXXX-7
 TEST 20

Date	8/21/59
Time	0155 Hrs.
Tilt Angle	20 Degrees
Polarization	Horizontal

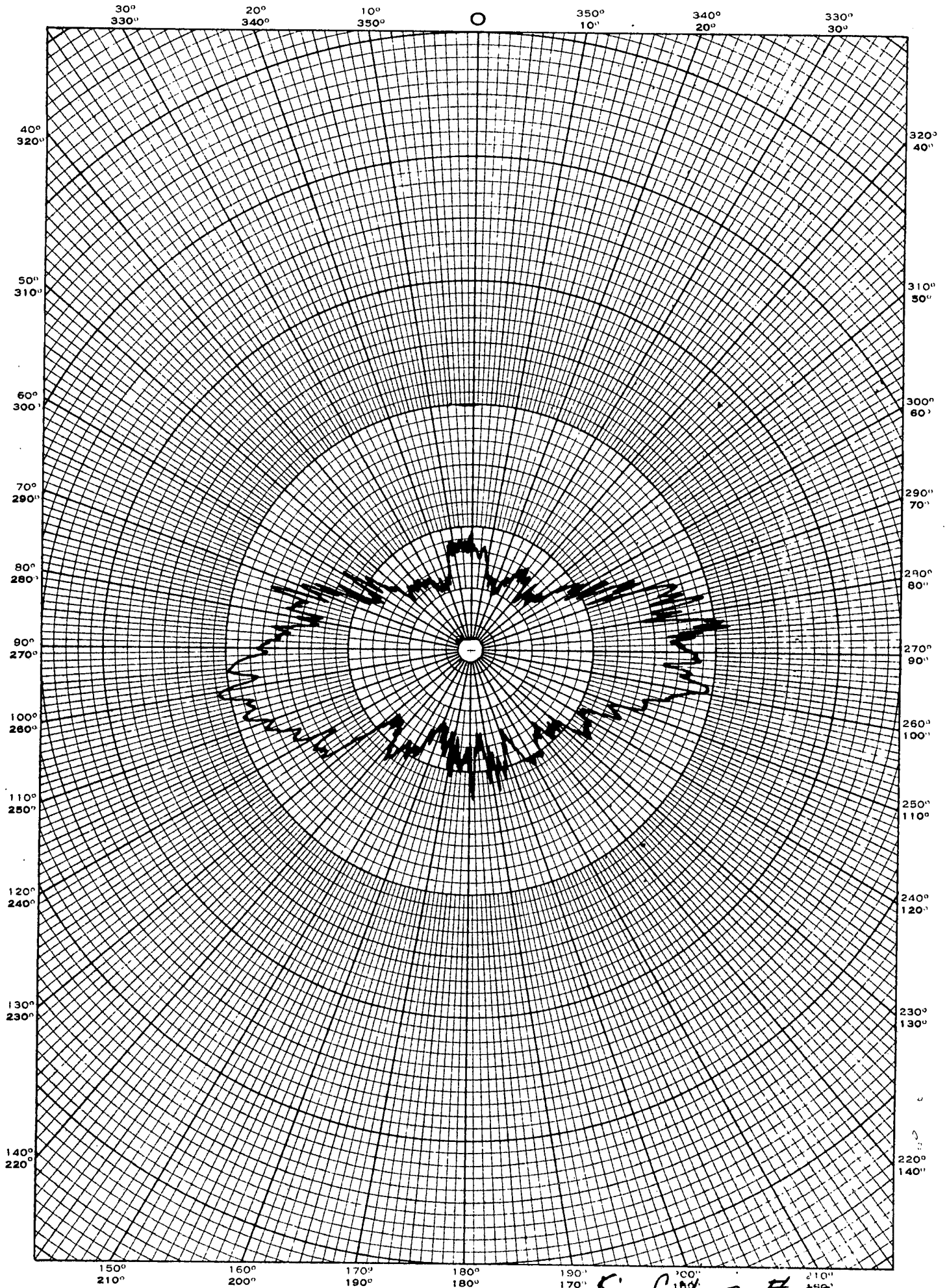
Frequency	2000 + - 100	MC
Power Output	20	
Corner Reflector	39	
System MDS	31	

Comments

Same as Run #26 except used calibration for Run #25. Polarization of ant. c.

EUGENE DIETZGEN CO.
MADE IN U.S.A.

POLAR CO-ORDINATE
GRAPH PAPER



SERIES WTA-7
TEST 29

Date	8/24/59
Time	0210 Hrs.
Tilt Angle	15 Degrees
Polarization	Horizontal

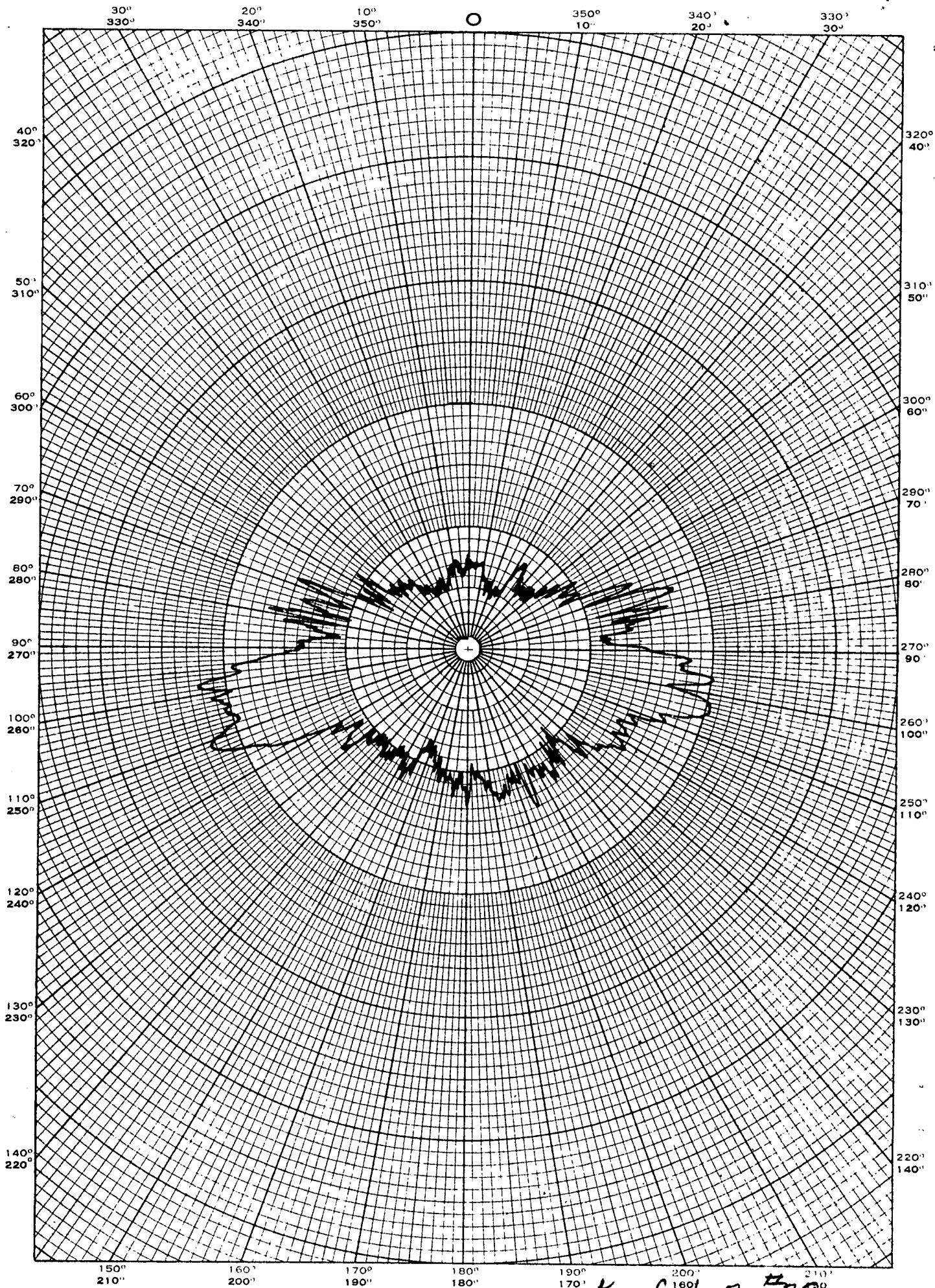
Frequency	2000 + - 10	MC
Power Output	21	
Corner Reflector	39	
System MDS	31	

Comments

Tilt angle changed. Shield rotated 20 degrees counter clockwise. No reflection for Run #25. Polarization change. All else same as Run #24.

EUGENE DIETZGEN CO.
MADE IN U.S.A.

POLAR CO-ORDINATE



SERIES 270000-7
 TEST 30

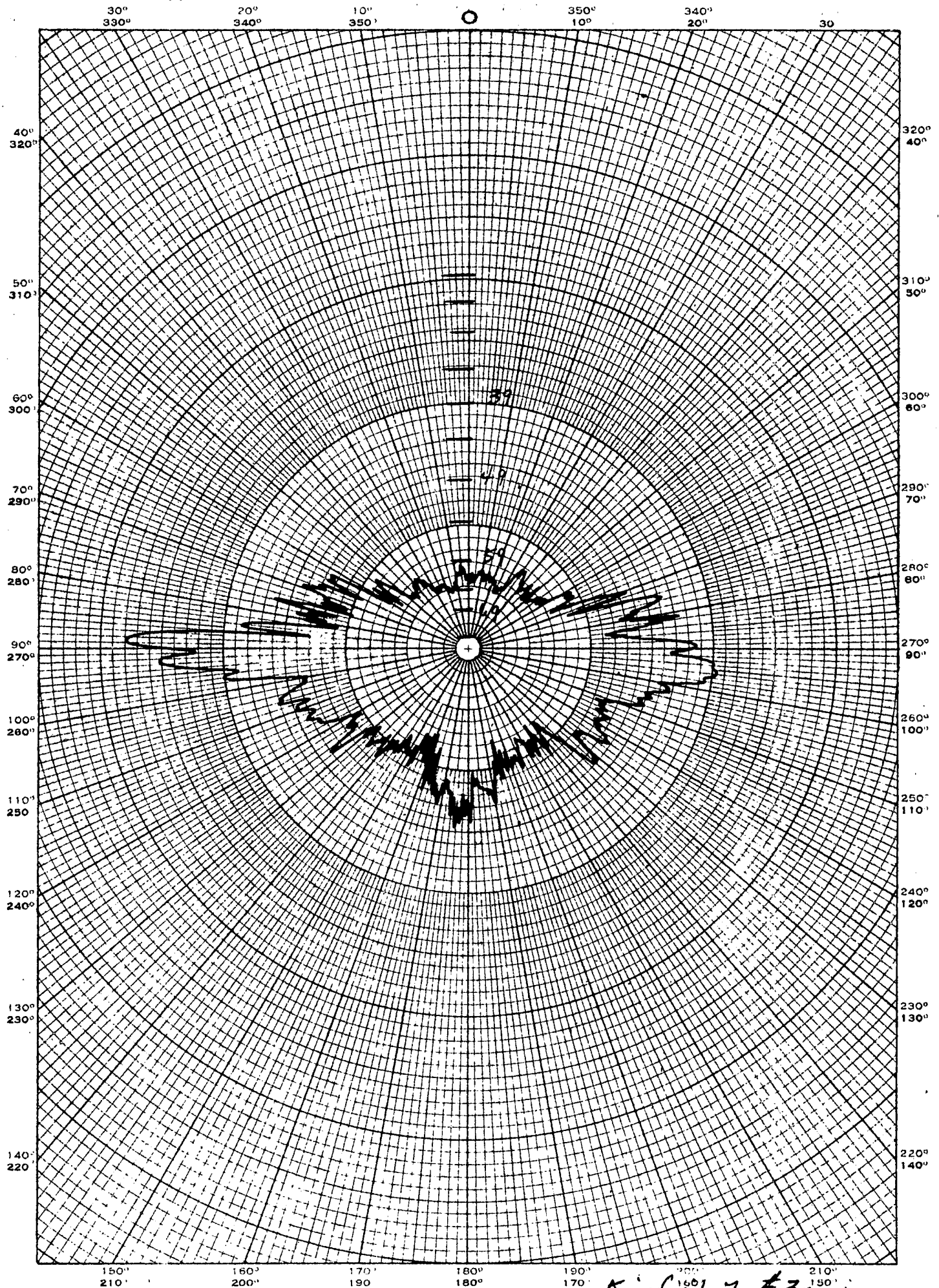
Date	8/21/59	
Time	0318	Hrs.
Tilt Angle	10	Degrees
Polarization	Horizontal	

Frequency	2500 + - 100	MC
Power Output	20	
Corner Reflector	3	
System MDS	31	

Comments

Tilt angle changed. Changed angle of left wing mounted tail to 15 degrees. Reaired corner between fuselage tail and its pylon.

EUGENE DIETZGEN CO.
MADE IN U.S.A.
NO. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



SERIES _____
TEST 27

Date	3/21/59
Time	0125 Hrs.
Tilt Angle	10 Degrees
Polarization	Horizontal

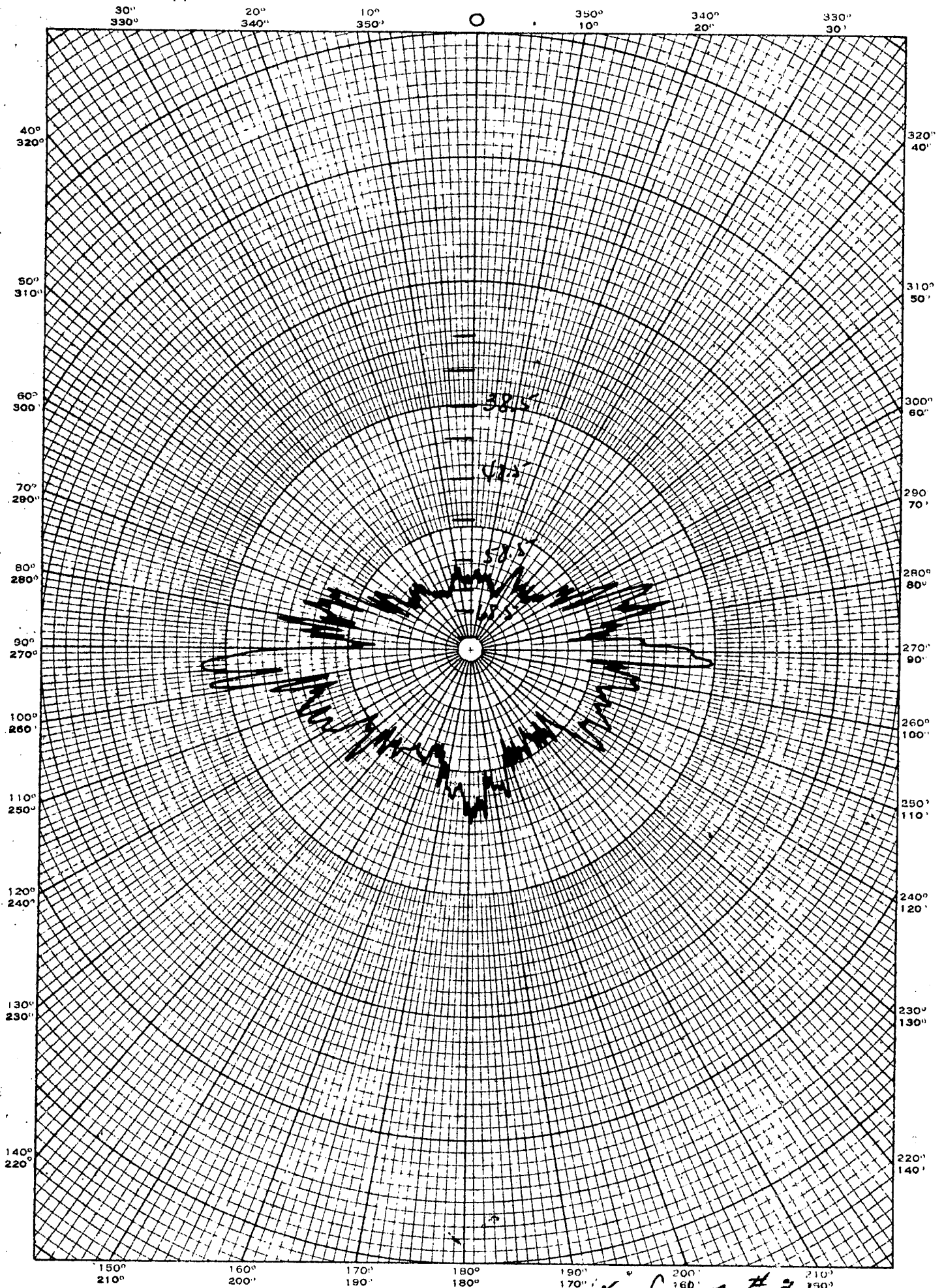
Frequency	2500 + - 100 MC
Power Output	30
Corner Reflector	35.5
System MDS	31

Comments

Ring mounted, tails removed. All else same as Run 30.

EUGENE DIETZEN CO.
MADE IN U.S.A.

NU. 340K-P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



Kingfish. 7 # 31

SERIES XXXXXXXXXX
 TEST 19

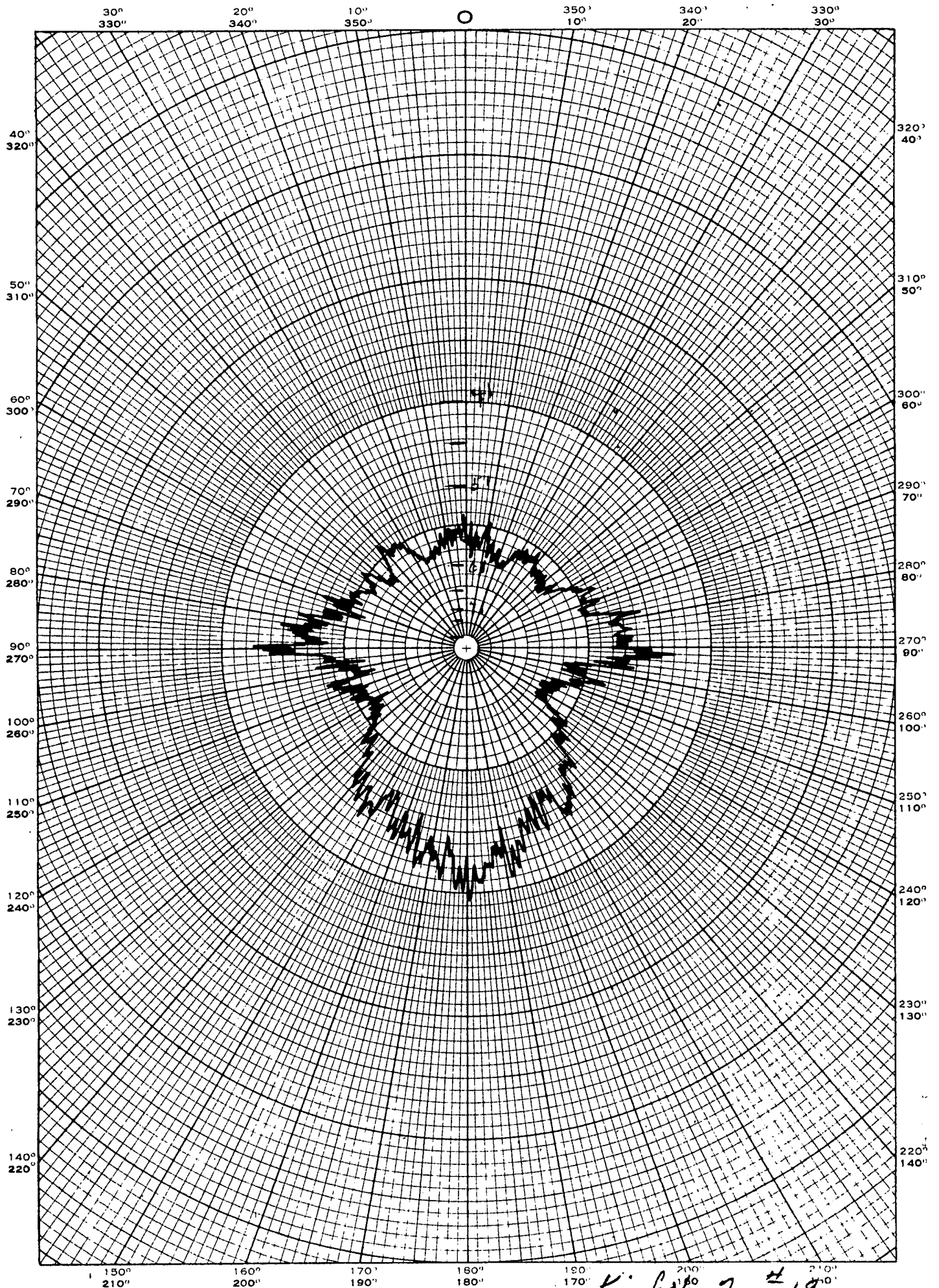
Date	3/23/59	
Time	0810	Hrs.
Tilt Angle	10	Degrees
Polarization	vertical	

Frequency	1000 + 100	MC
Power Output	10	
Corner Reflector	10	
System MDS	10	

Comments

Same as Run #17 except removed hair from exhaust ramp and replaced with corner steel metal section.

EUGENE DIETZGEN CO.
MADE IN U.S.A.
ND. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



SERIES 7
TEST 2

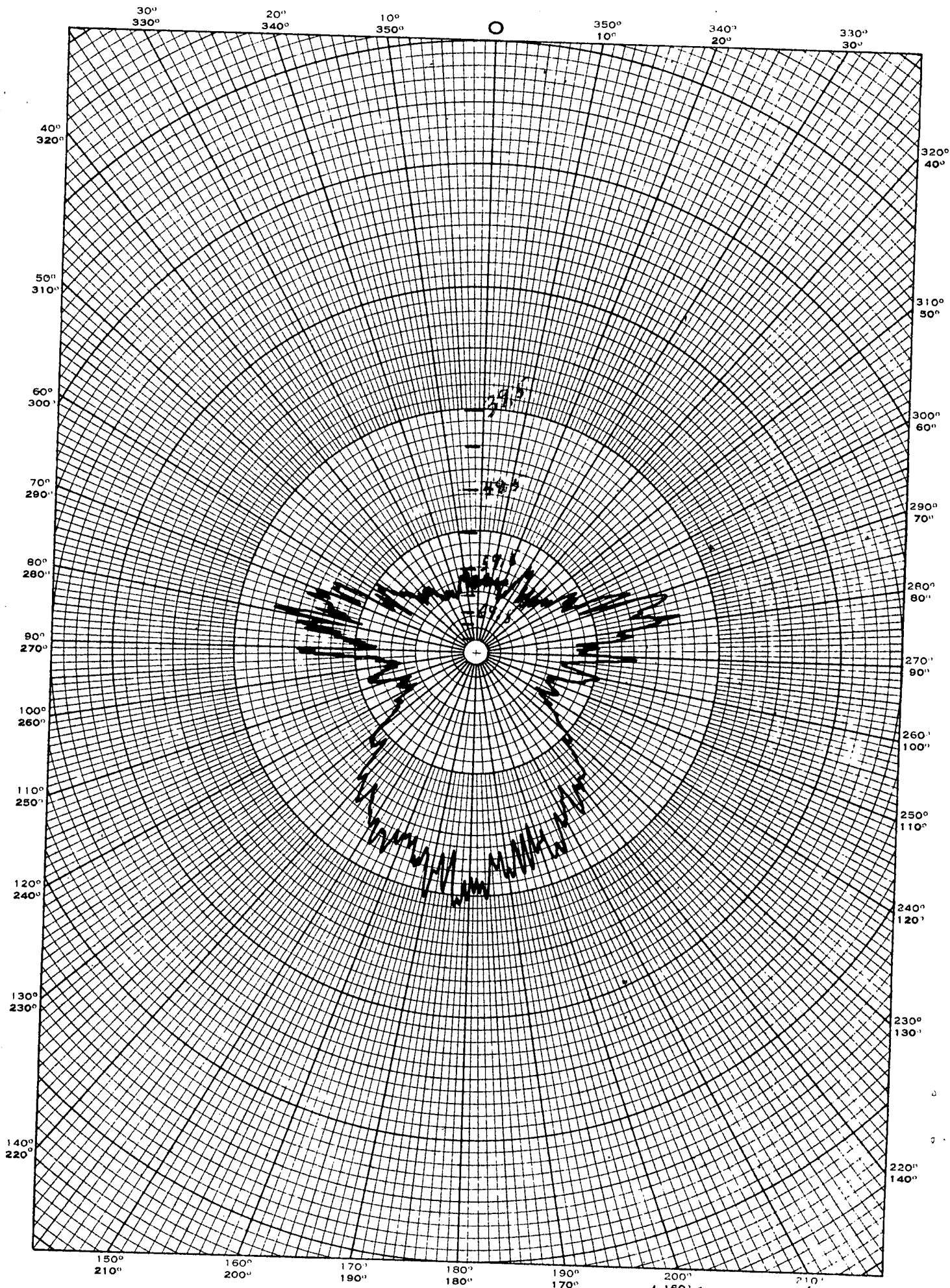
Date	3/22/59	
Time	0810	Hrs.
Tilt Angle	10	Degrees
Polarization	Horizontal	

Frequency	3200	MC
Power Output	20	
Corner Reflector	30.5	
System MDS	0	

Comments

Same as item 12. Polarization change only

NO. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE
EUGENE DIETZGEN CO.
MADE IN U.S.A.



K 180 P 1 1 20

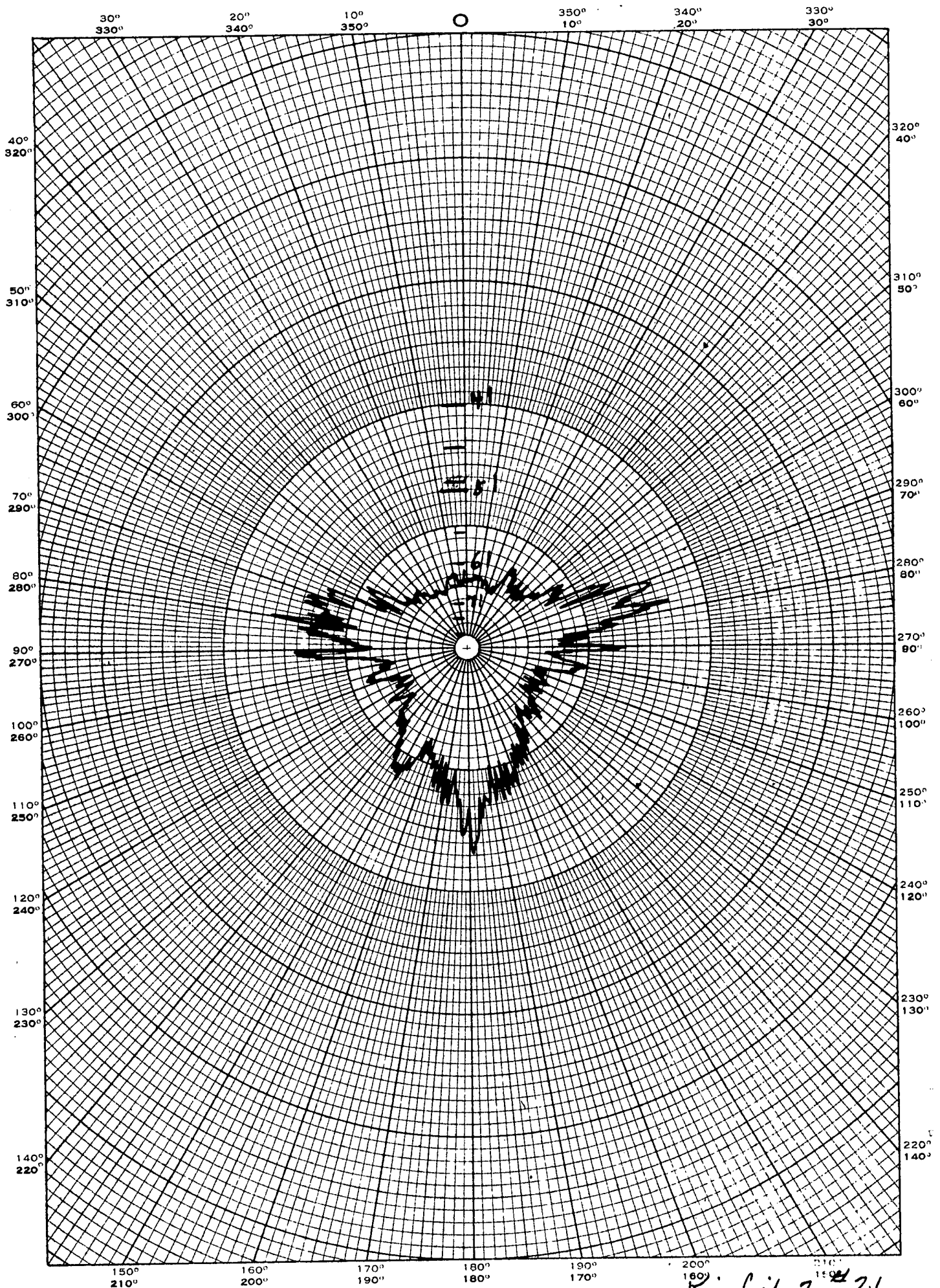
SERIES RT-1000-7
 TEST 21

Date	8/23/59	
Time	0915	Hrs.
Tilt Angle	10	Degrees
Polarization	Horizontal	

Frequency	2900 ± 150	MC
Power Output	22	
Corner Reflector	41	
System MDS	30	

Comments

Same as Run 19 except placed hair in transition section of exhaust.



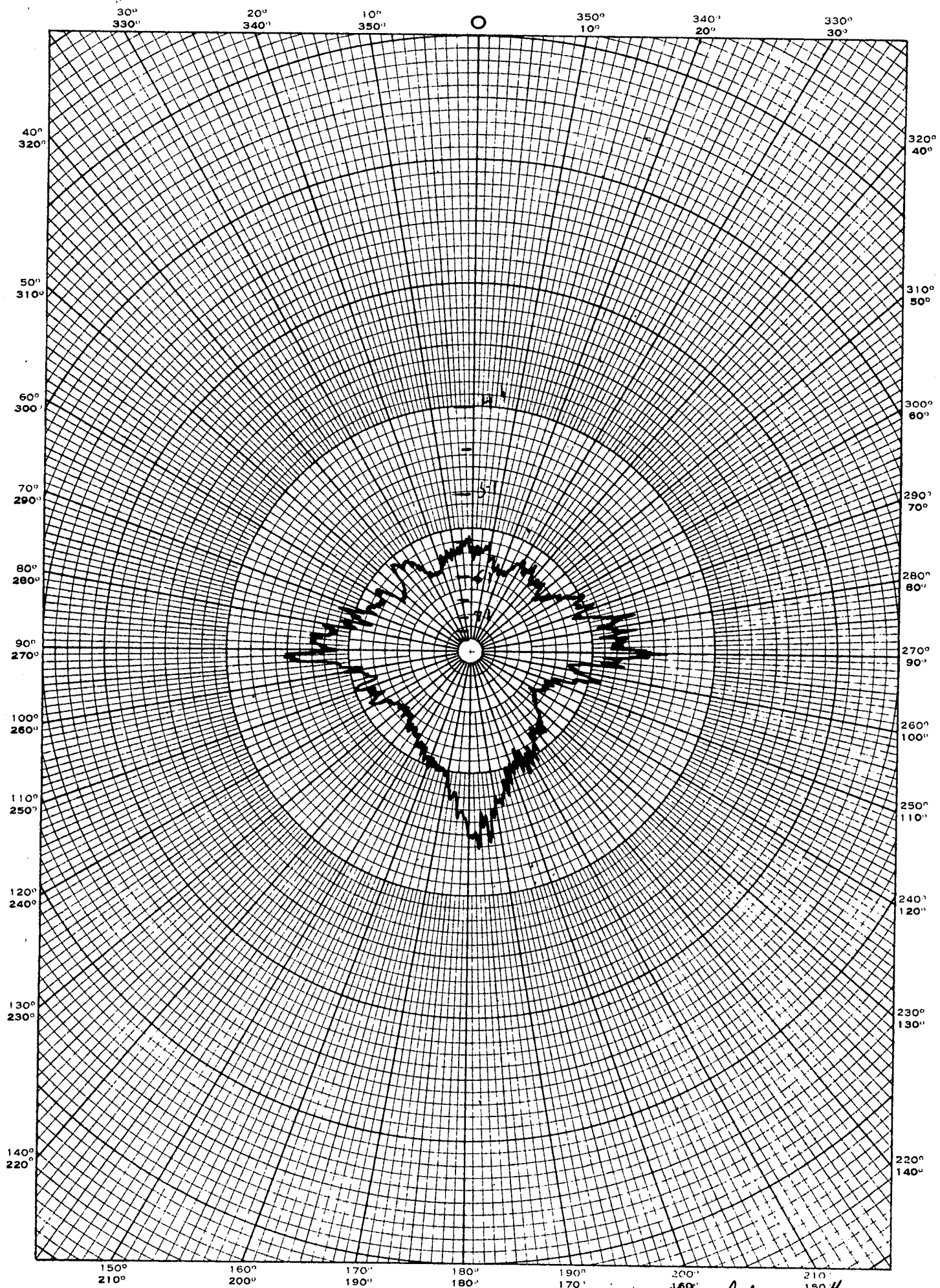
SERIES REPT-7
TEST 22

Date	3/23/59
Time	0930 Hrs.
Tilt Angle	10 Degrees
Polarization	Vertical

Frequency	2900 + - 10	MC
Power Output	22	
Corner Reflector	12	
System MDS	0	

Comments

Same as Run #21. Polarization change only



SERIES EXPERIMENT 7
 TEST 23

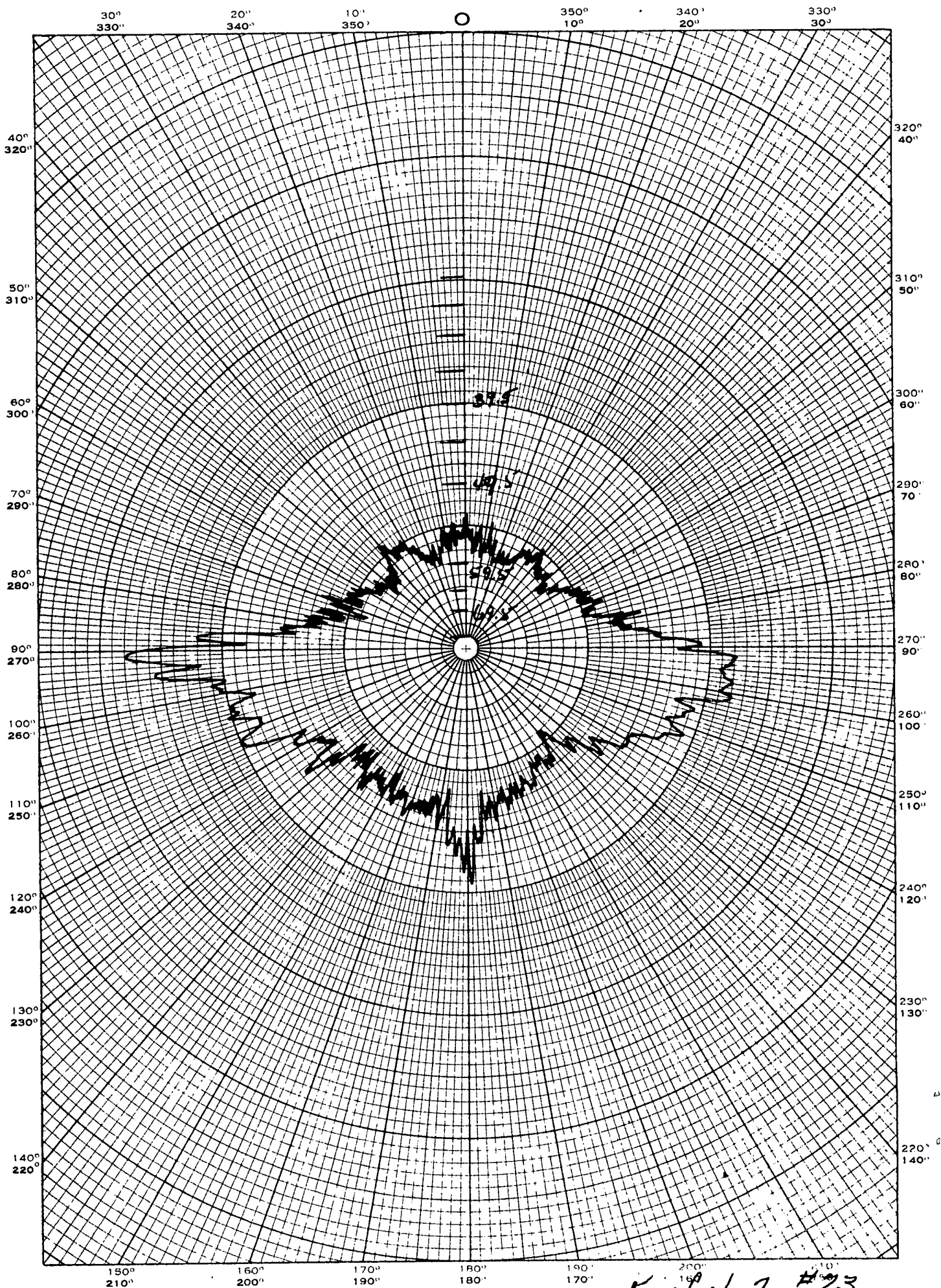
Date	3/24/49	
Time	0000	Hrs.
Tilt Angle	10	Degrees
Polarization	Vertical	

Frequency	2000 ± 100	MC
Power Output	21	
Corner Reflector	39.5	
System MDS	21	

Comments

No change to inlet and wings. Hair on top and side walls of transition section.
 Foiled ramp - no hair on side walls. 4 - 8 degree tails - 2 wing mounts - 2 fuselage
 mounts. Enlarged center fence.

EUGENE DREITZEN CO.
MADE IN U.S.A.
POLAR CO-ORDINATE
GRAPH PAPER
U.S. JAGCORP



Kindfish. 7 #23

SERIES 7
TEST 21

Date	3/24/59
Time	0100 Hrs.
Tilt Angle	10 Degrees
Polarization	Horizontal

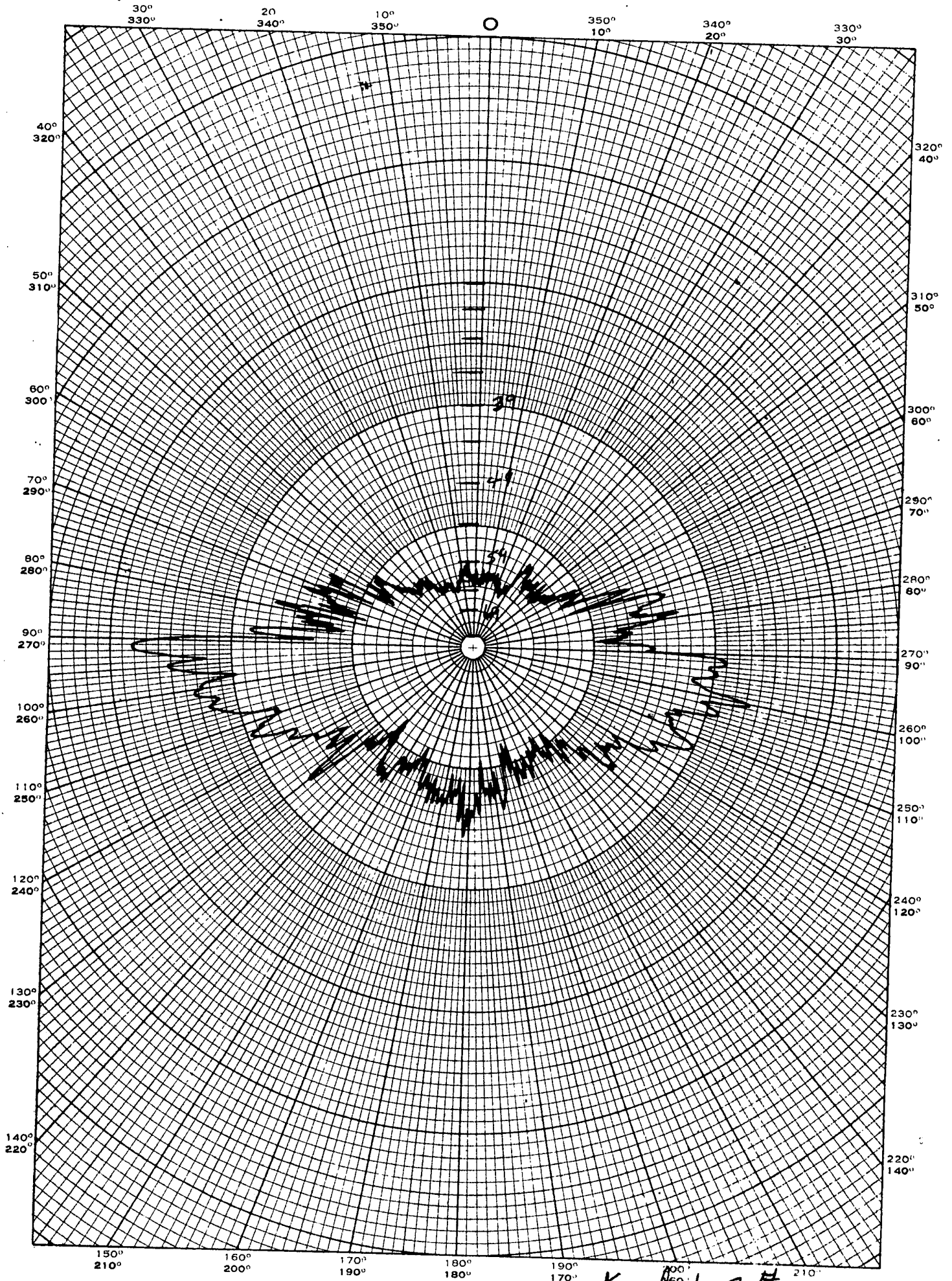
Frequency	2000 ± 100 MC
Power Output	21
Corner Reflector	20
System MDS	51

Comments

Same as Run "23. Polarization change only

EUGENE DIETZGEN CO.
MADE IN U.S.A.

ND. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



Kinosh. 7 # 24

SERIES KINGFISH .7
TEST 51

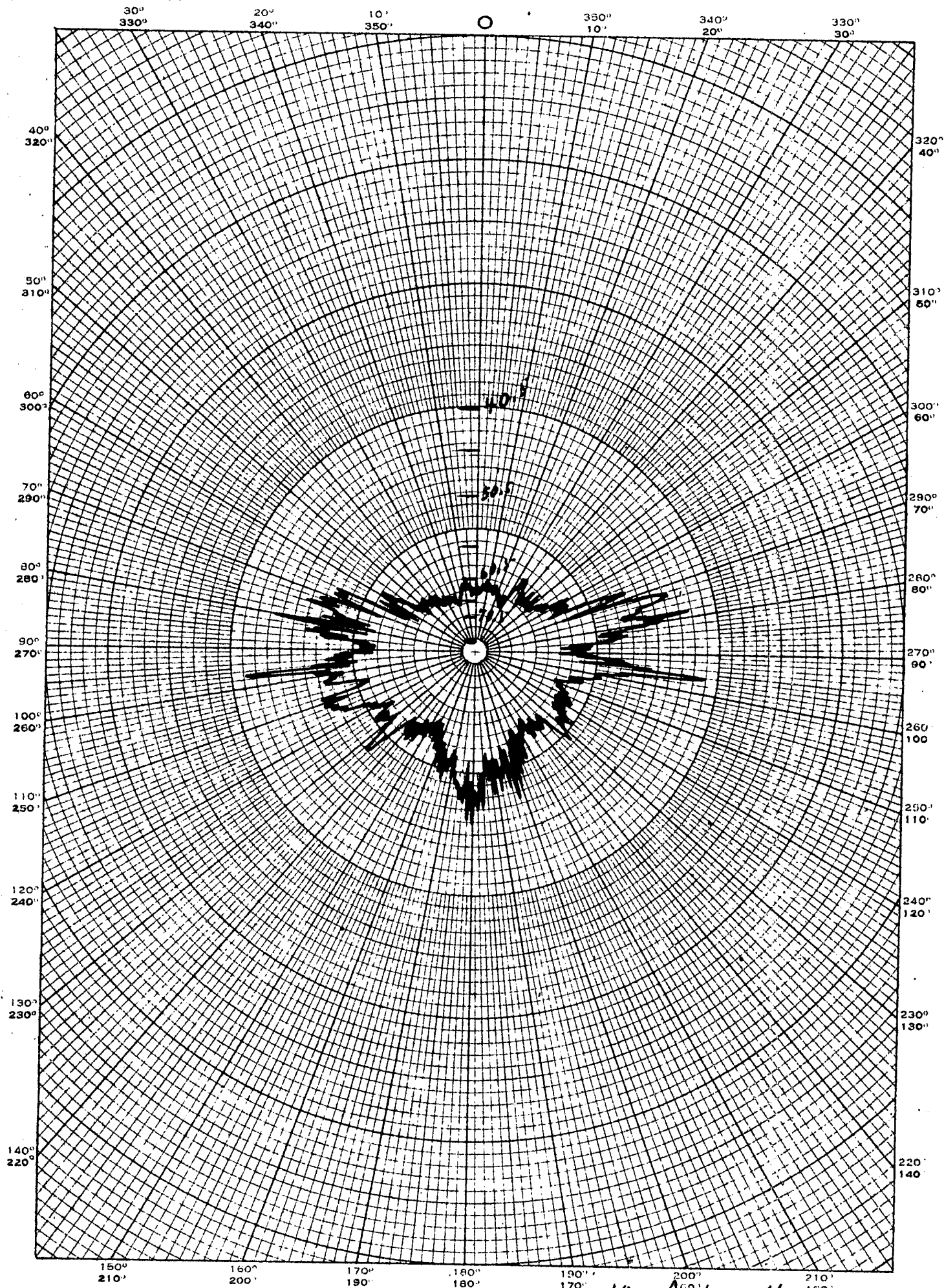
Date	8/24/59	
Time	1600	Hrs.
Tilt Angle	10	Degrees
Polarization	Horizontal	

Frequency	2900 + - 150	MC
Power Output	20	
Corner Reflector	40.5	
System MDS	80	

Comments

Moved 0 degree mounted tails 2° forward. Added fanning to fuselage and fence area at 15 degree slope.

NO. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE
EUGENE DIETZGEN CO.
MADE IN U. S. A.



SERIES KINGFISH .7
TEST 52

Date	8/24/59	
Time	1610	Hrs.
Tilt Angle	10	Degrees
Polarization	Vertical	

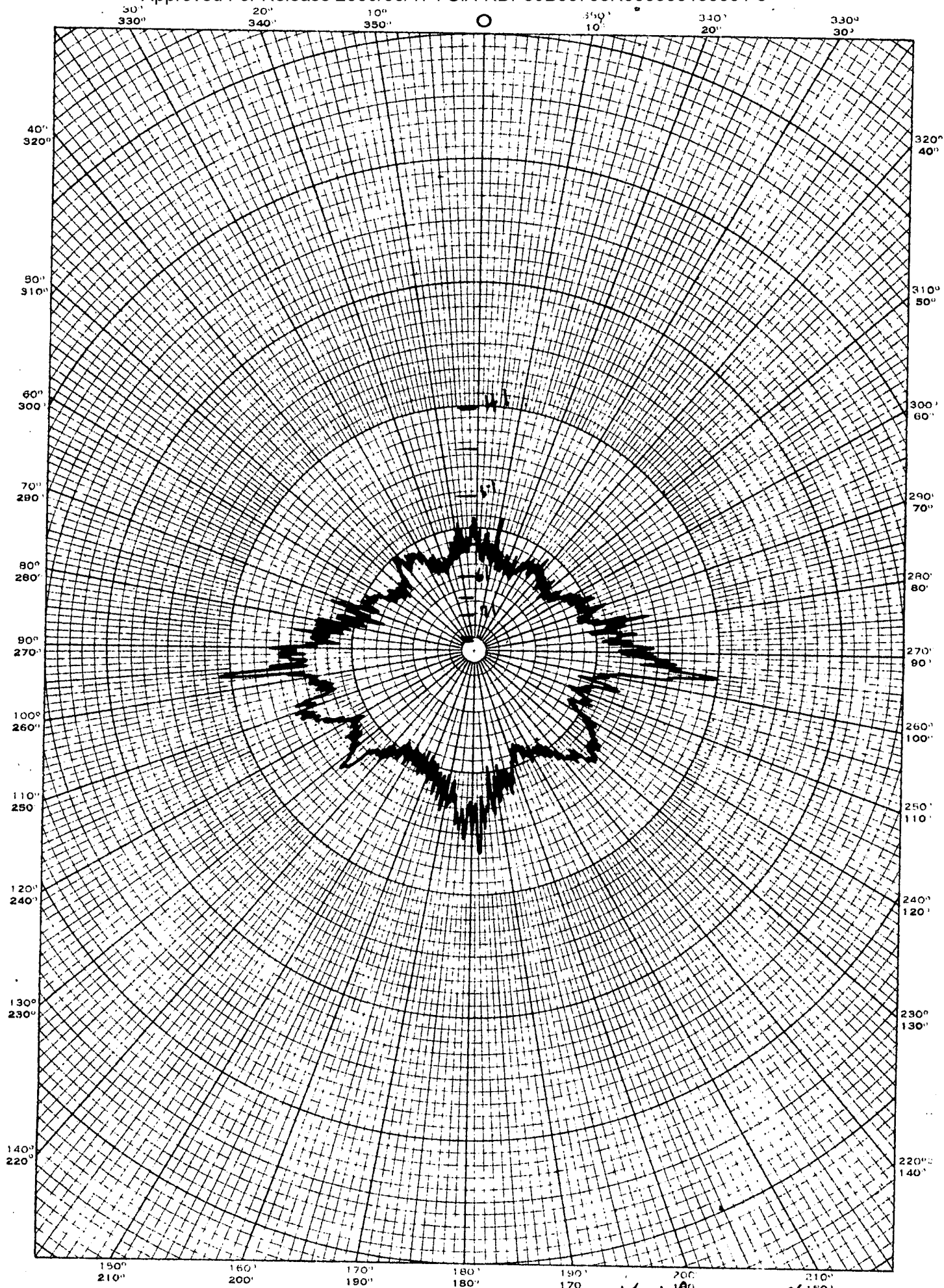
Frequency	2900 + - 150	MC
Power Output	20	
Corner Reflector	h1	
System MDS	80	

Comments

Same as Run #51. Polarization cahge only

EUGENE DIETZEN CO.
4451 N.W. 9th A.

NO. 340R-P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



Kimatish. 7 #52

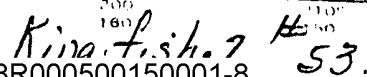
SERIES KINGFISH .7
TEST 53

Date	8/24/59
Time	1620 Hrs.
Tilt Angle	15 Degrees
Polarization	Vertical

Frequency	2900 + - 150	MC
Power Output	20	
Corner Reflector		
System	MDS	

Comments

Same as Run #51. Tilt angle change. Request no calibration.



SERIES KINGFISH .7
TEST 54

Date	8/24/59	
Time	1625	Hrs.
Tilt Angle	15	Degrees
Polarization	Horizontal	

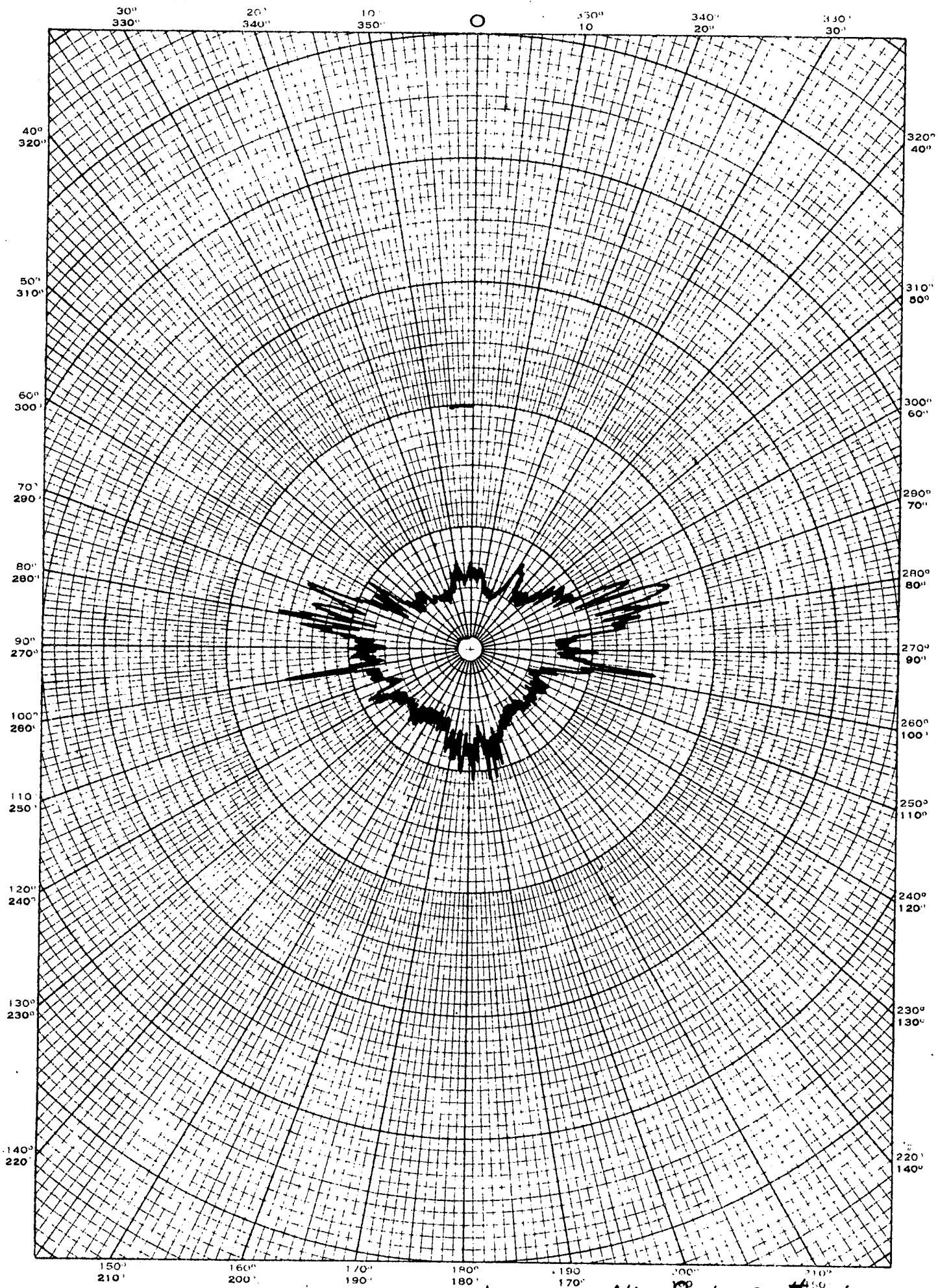
Frequency	2900 + - 150	MC
Power Output	20	
Corner Reflector		
System	MDS	

Comments

Same as Run #53. Polarization change. Request no calibration

EUGENE DIETZGEN CO.
2401 N. 10th St.

NO. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



Kinofish. 7 #54.

SERIES KINGFISH .7
TEST 55

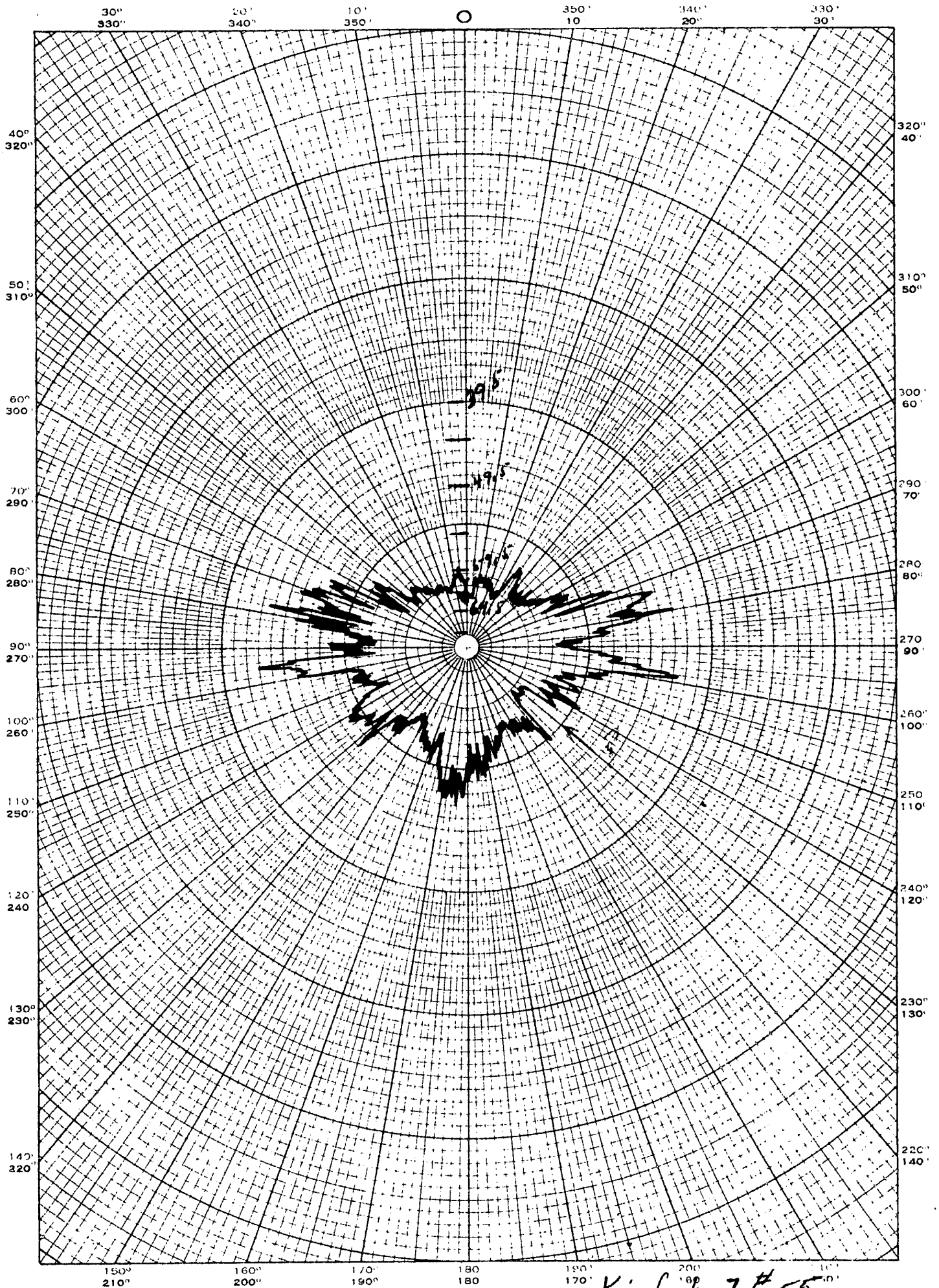
Date	8/24/59	
Time	1755	Hrs.
Tilt Angle	10	Degrees
Polarization	Horizontal	

Frequency	2900 + - 150	MC
Power Output	20	
Corner Reflector	39.5	
System MDS	80	

Comments

Added 15" to trailing edge of tails.

ND. 340R P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE
EUGENE DIETZGEN CO.



SERIES KINGFISH.7
TEST 56

Date	8/24/59	
Time	1805	Hrs.
Tilt Angle	10	Degrees
Polarization	Vertical	

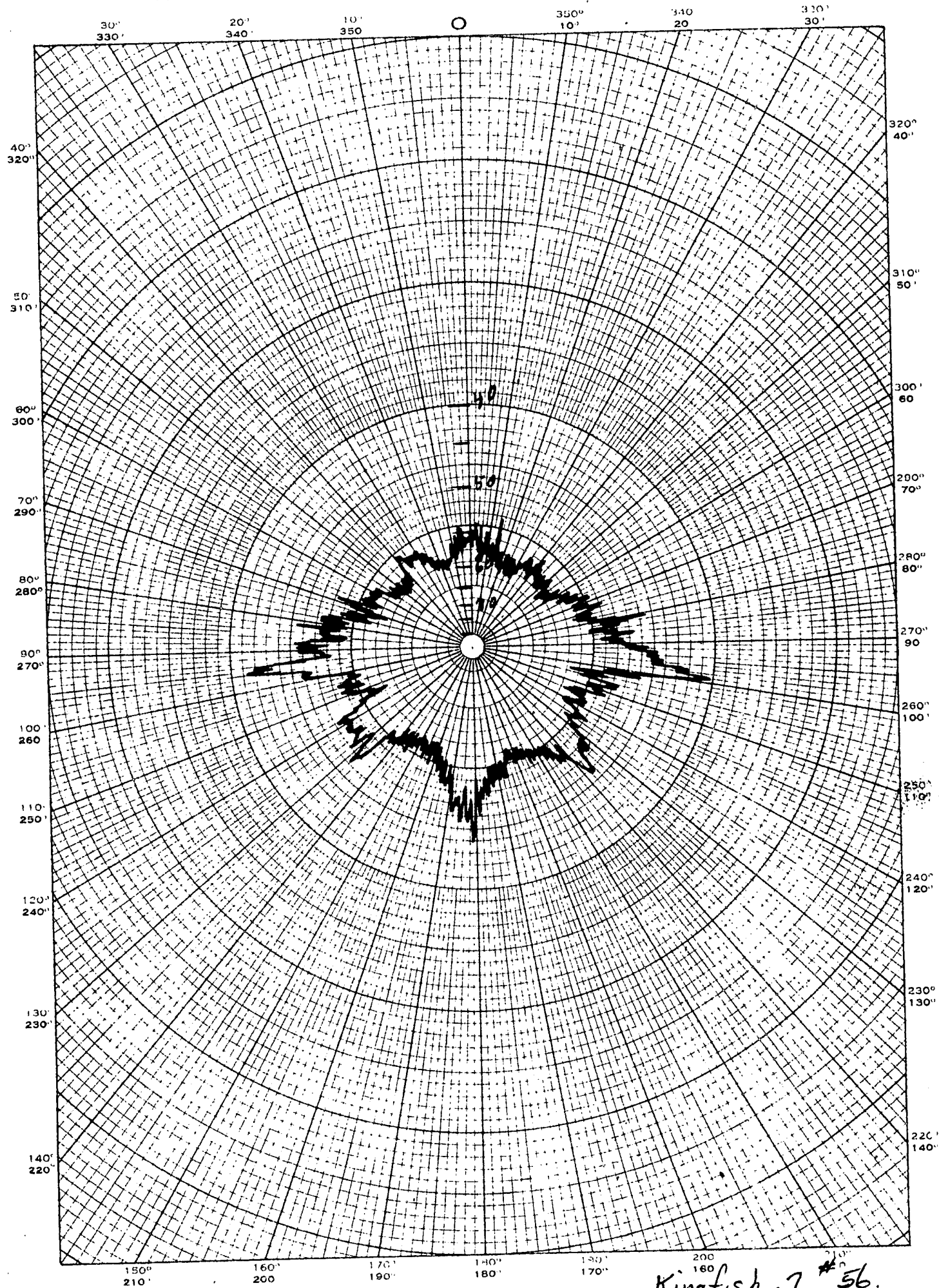
Frequency	2900 + - 150	MC
Power Output	20	
Corner Reflector	LC	
System MDS	80	

Comments

Same as Run #55. Polarization change only

EUGENE DIETZGEN CO.
MADE IN U.S.A.

ND. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



Kingfish .7 #56.

SERIES KINGEISH .7
TEST 57

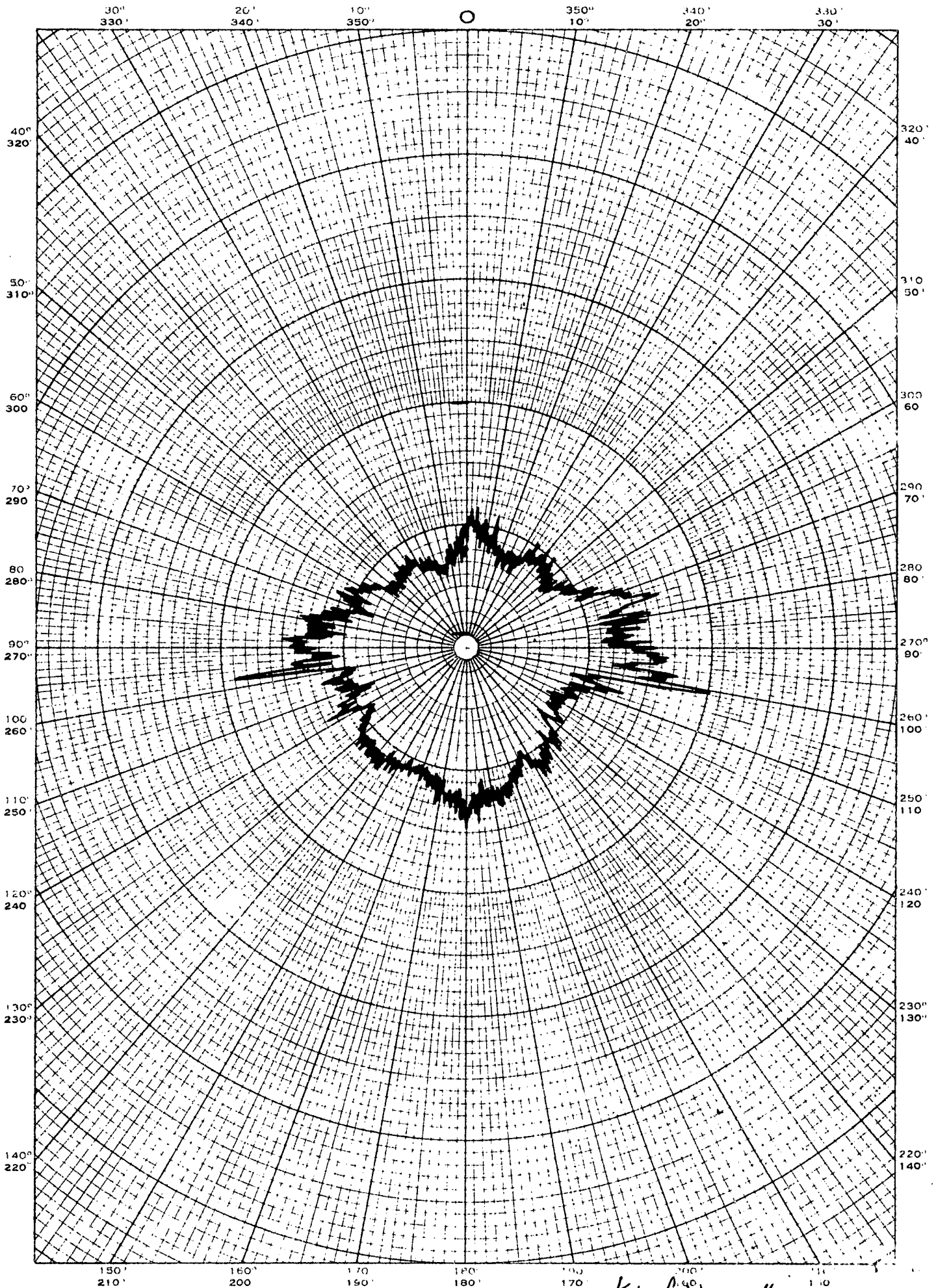
Date	8/21/59		Frequency	2900 + - 150	MC
Time	1830	Hrs.	Power Output	20	
Tilt Angle	15	Degrees	Corner Reflector		
Polarization	Vertical		System	MDS	

Comments

Same as Run #55. Polarization change only. Tilt angle change only.

EUGENE DIETZEN CO.

NO. 340R-P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



Kingfisher #57

SERIES KINGFISH .7
 TEST 58

Date	8/24/59	
Time	1935	Hrs.
Tilt Angle	10	Degrees
Polarization	Vertical	

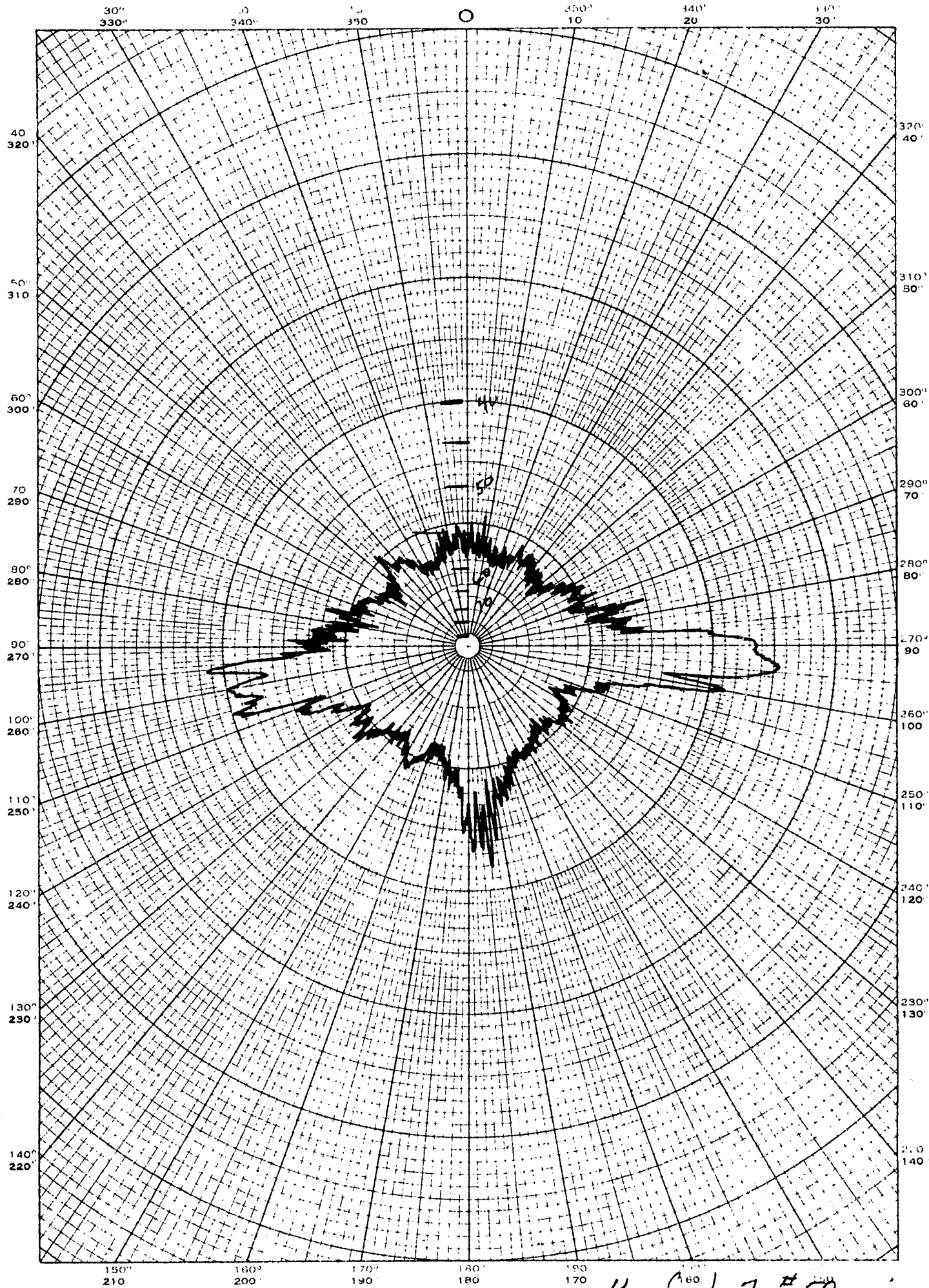
Frequency	2900 + - 150	MC
Power Output	20	
Corner Reflector	40	
System MDS	80	

Comments

Reaired both sides of center fin. Right aft fairing contour slattened.
 Tails now at 8 degrees.

EUGENE DIETZEN CO.

NO. 340R-P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



Refish 7 #58

SERIES KINGFISH .7
TEST 59

Date	8/24/59
Time	1947 Hrs.
Tilt Angle	10 Degrees
Polarization	Horizontal

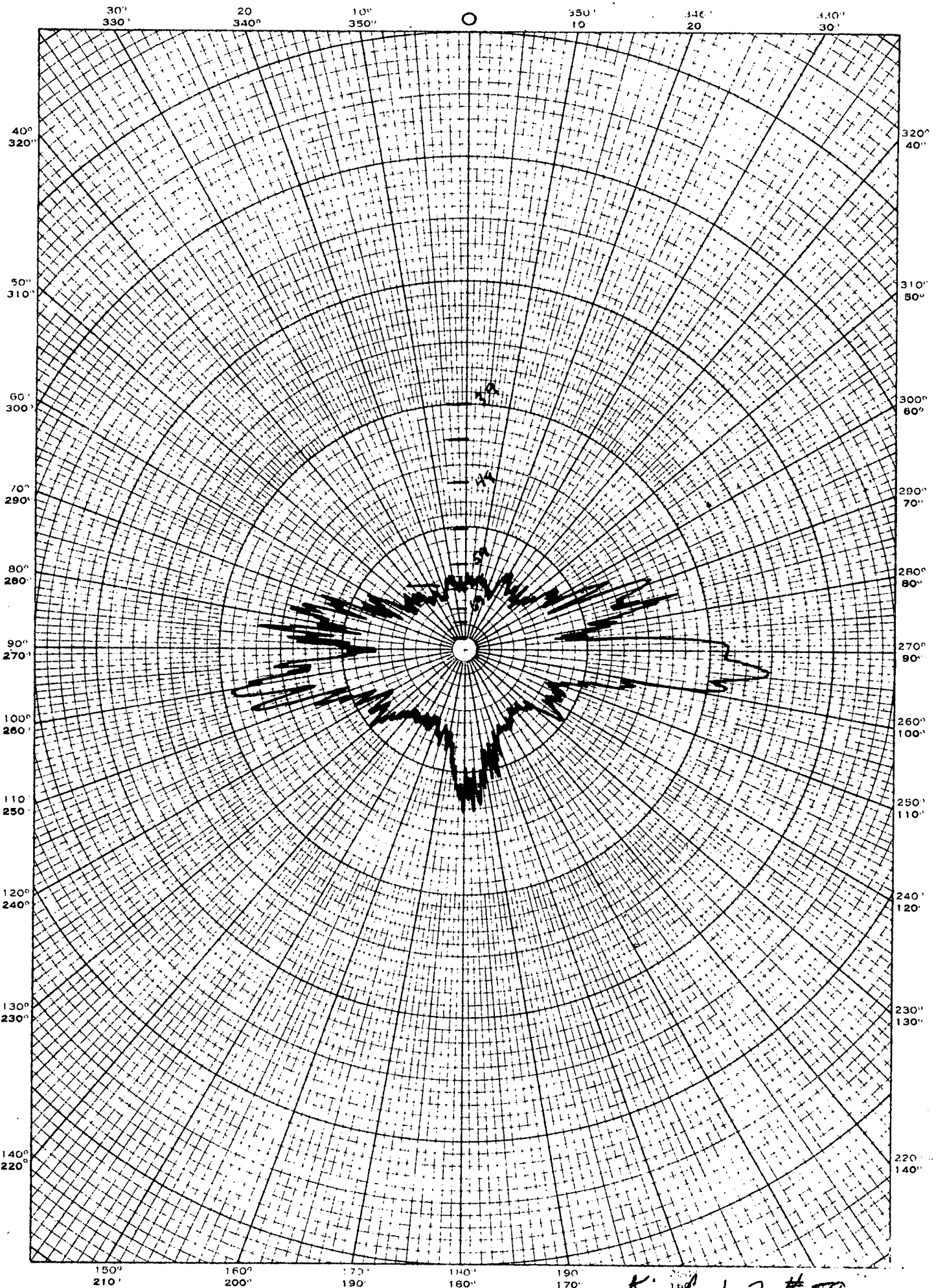
Frequency	2900 + - 100	MC
Power Output	20	
Corner Reflector	39	
System MDS	80	

Comments

Same as Run #58. Polarization change only

LUGENE DIETZEN CO.
MADE IN U.S.A.

NO. 340R-P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



Kinetics 1.7 #59

SERIES KINCISH .7
TEST 60

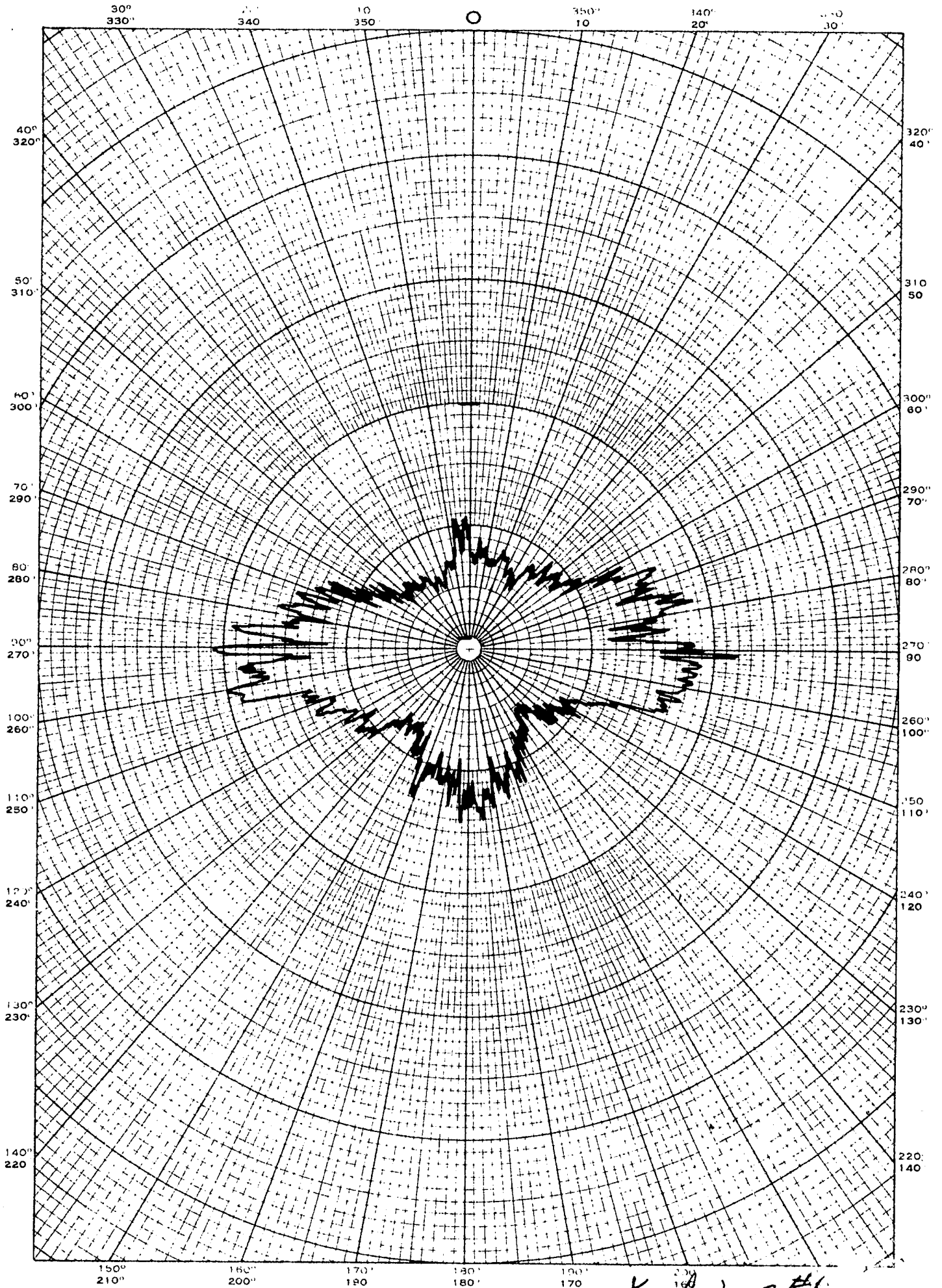
Date	8/24/59
Time	1955 Hrs.
Tilt Angle	0 Degrees
Polarization	Horizontal

Frequency	2900 + - 150	MC
Power Output	20	
Corner Reflector		
System	MDS	

Comments

Same as Run #58. Polarization and tilt angle change only

NO. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE
EUGENE DIETZGEN CO.
MADE IN U.S.A.



SERIES KINGFISH .7
TEST 61

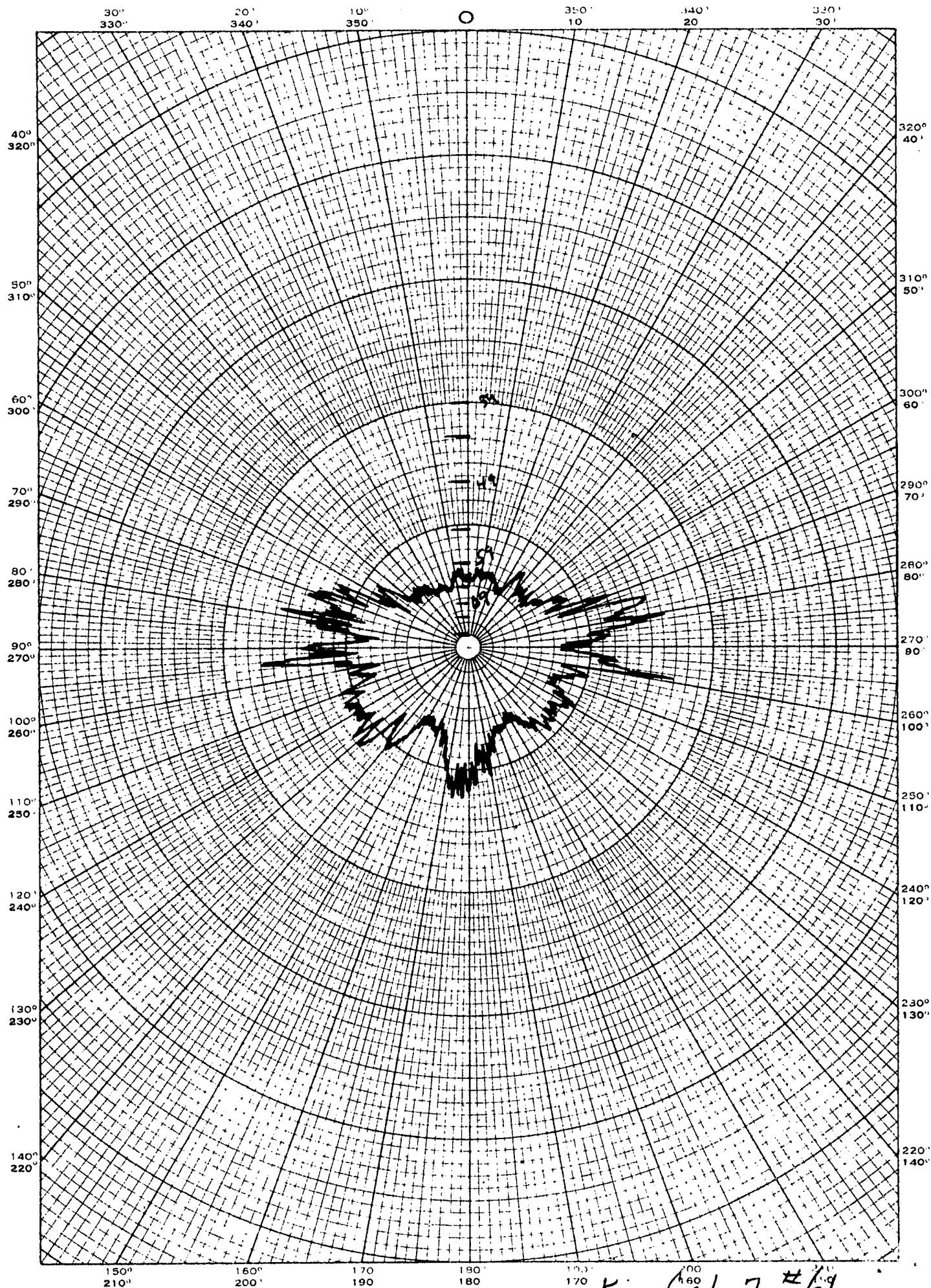
Date	8/24/59
Time	2055 Hrs.
Tilt Angle	10 Degrees
Polarization	Horizontal

Frequency	2900 + - 150	MC
Power Output	20	
Corner Reflector	39	
System MDS	80	

Comments

Same as Run #58 except polarization; and tails are now at 0 degrees.

EUGENE DIETZGEN CO.
MADE IN U.S.A.
NO. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



Kinofish. 7 #69

SERIES KINGFISH .7
TEST 62

Date	8/24/59	
Time	2105	Hrs.
Tilt Angle	10	Degrees
Polarization	Vertical	

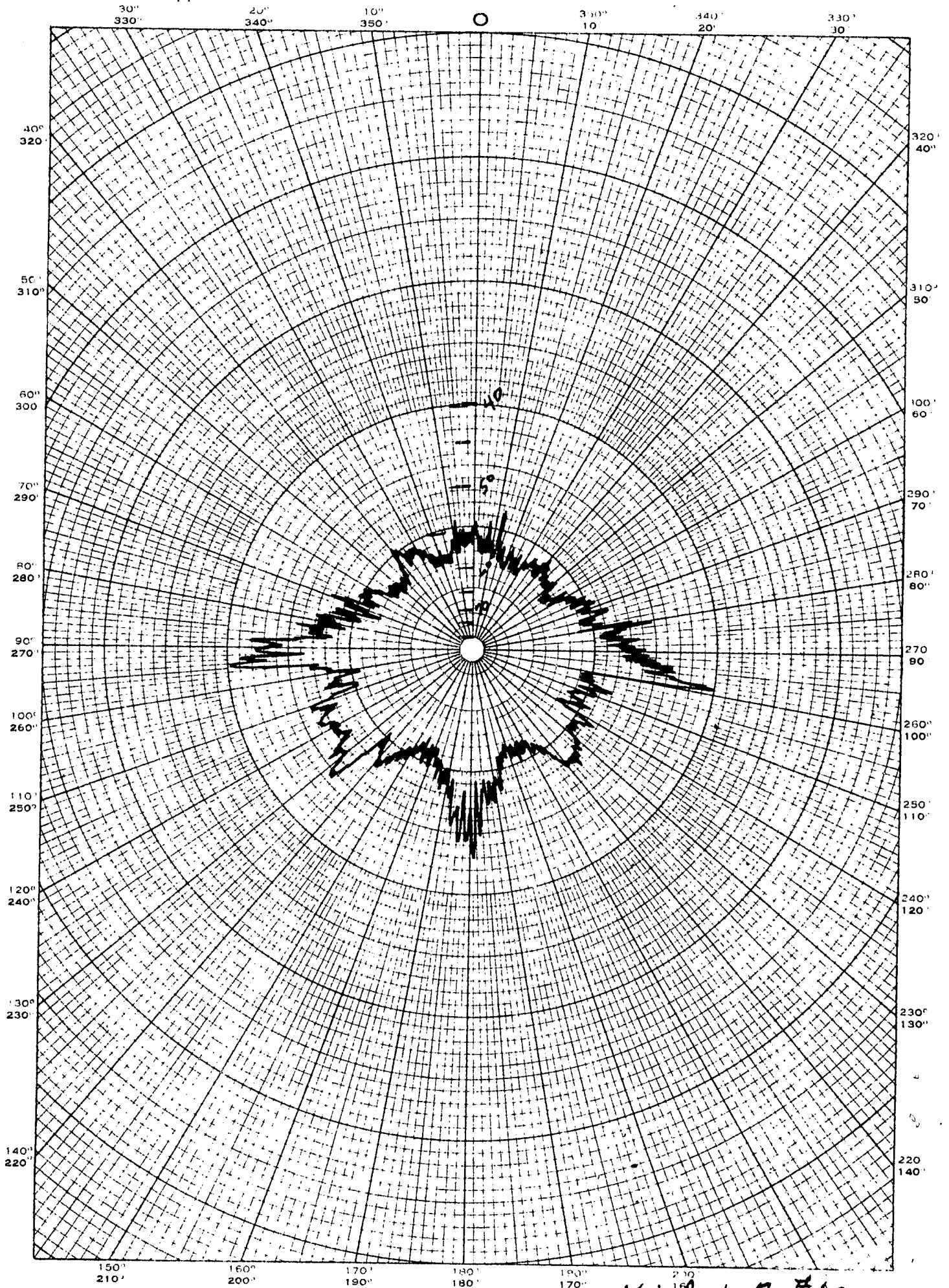
Frequency	2900 + - 150	MC
Power Output	20	
Corner Reflector	40	
System MDS	80	

Comments

Same as Run #61. Polarization change only

EUGENE DITZEN CO.
MADE IN U.S.A.

EUGENE DITZEN CO.
POLAR CO-ORDINATE



SERIES
TEST ~~KINGFISH .7~~
63

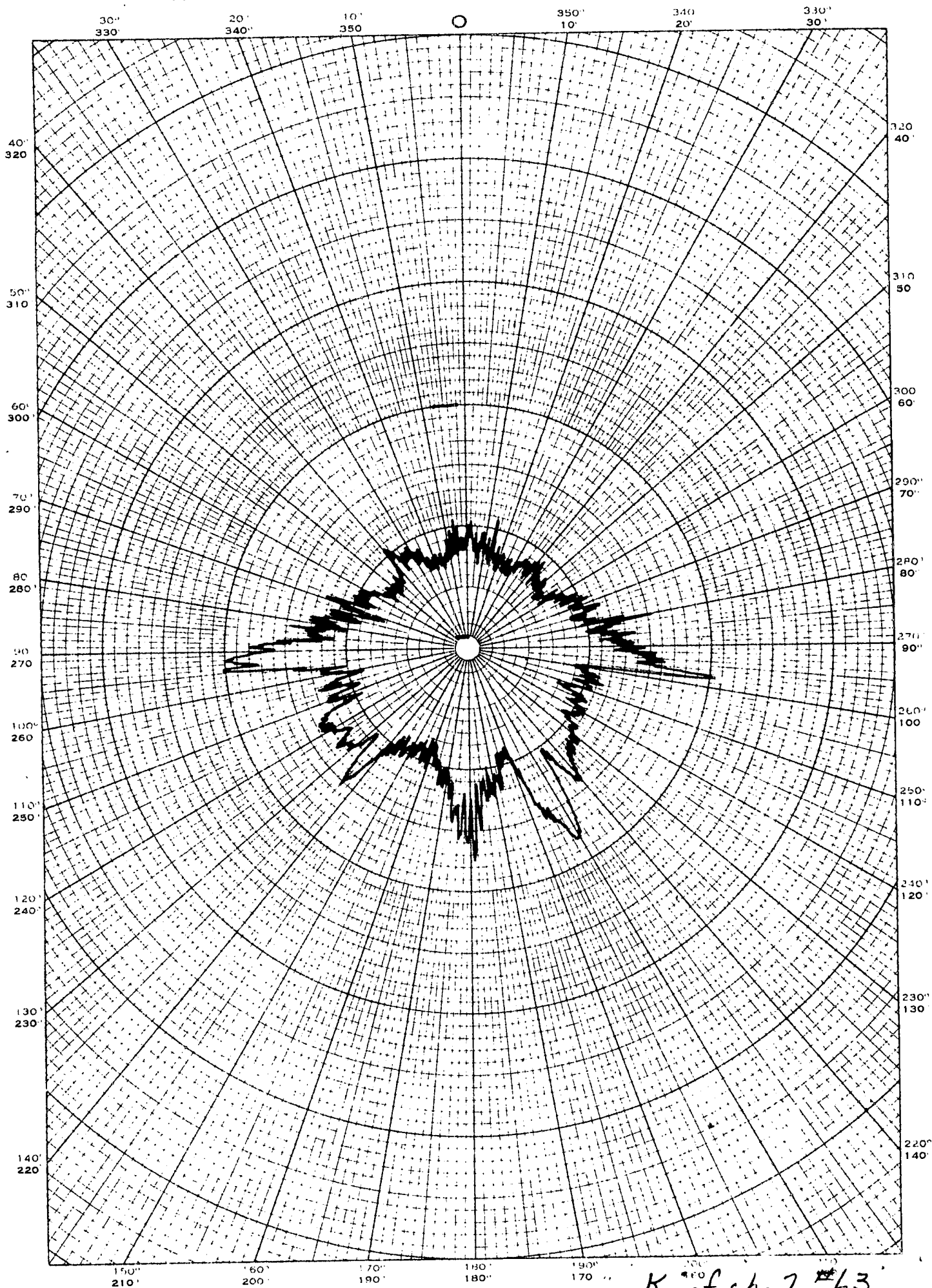
Date	8/24/59	Hrs.
Tilt Angle	2134	Degrees
Polarization	10	
	Vertical	

Frequency	MC
Power Output	2900 W - 100
Corner Reflector	20
System	MDS

Comments

No change on model - shield. Rotated 30 degree in a c.c.w direction. Model same as Run #61.

ND. 340R P DIETZEN GRAPH PAPER
POLAR CO ORDINATE
EUGENE DIETZEN CO.
NEW YORK, N. Y. U. S. A.



Kingfish. 7 #63

SERIES
TEST KIMOTISH .7
64

Date	8/24/59	Hrs.
Time	2143	Degrees
Tilt Angle	10	
Polarization	Vertical	

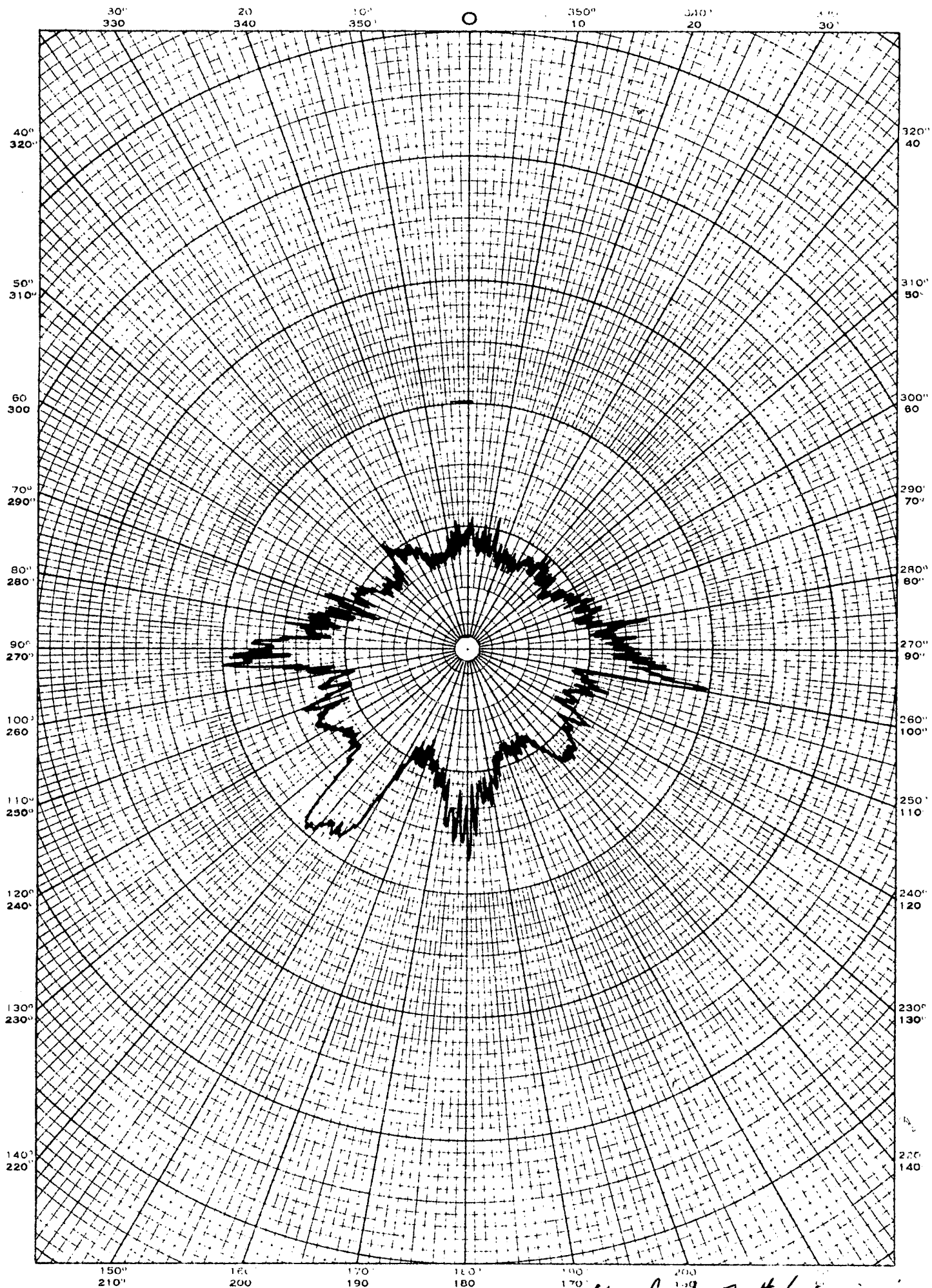
Frequency	MC
Power Output	2900 + - 150
Corner Reflector	20
System	MDS

Comments

No change on model - shield rotated 30 degrees c.w. Model same as Run #61.

EUGENE DIEZGEN, CO.
SA, 100 9 4

POLAR CO-ORDINATE



SERIES ~~KI 07100 .7~~
 TEST ~~65~~

Date	8/25/59	Hrs.
Time	0247	Degrees
Tilt Angle	10	
Polarization	Vertical	

Frequency	2900 + - 10	MC
Power Output	20	
Corner Reflector	41	
System MDS	80	

Comments

Reaired rest of transition section. Extended the hair shroud around the rotator.



SERIES KINGPITSE .7
TEST 66

Date	8/25/59	
Time	0320	Hrs.
Tilt Angle	10	Degrees
Polarization	Vertical	

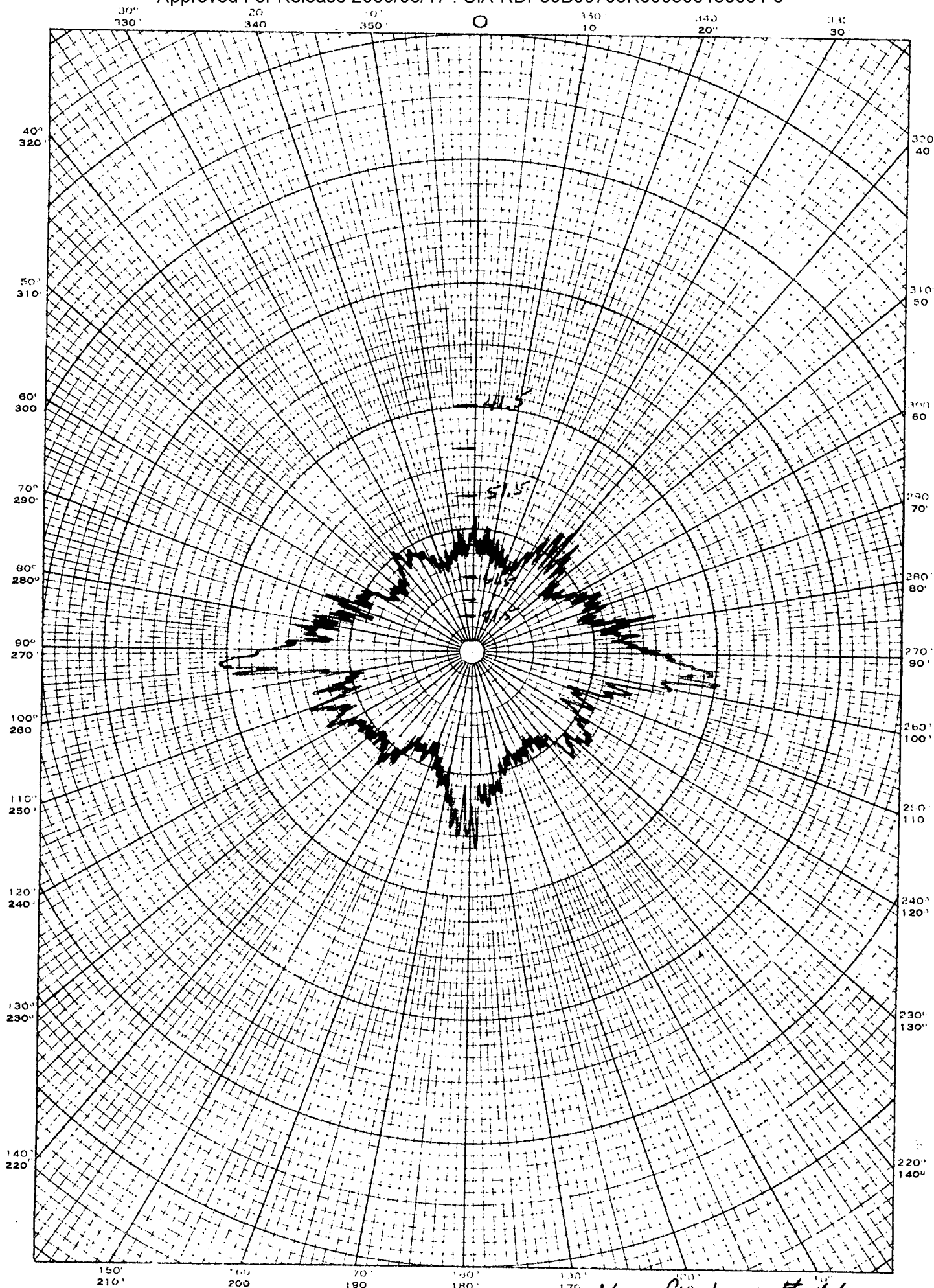
Frequency	2500	MC
Power Output	20	
Corner Reflector	41.5	
System MDS	80	

Comments

Trailing edge righthand vertical stabilizer haired. Canted vertical tail fin ahead less than 8 degrees. Removed extended fair shroud from rotator. All else same as #65.

EUGENE DIETZEN CO.
MADE IN U.S.A.

ND. 340R-P DIETZEN GRAPH PAPER
*POLAR CO-ORD. *AVE



Kingfish. 7 # 66

SERIES RT-1015H .7
 TEST 67

Date	8/25/59	
Time	0345	Hrs.
Tilt Angle	10	Degrees
Polarization	Vertical	

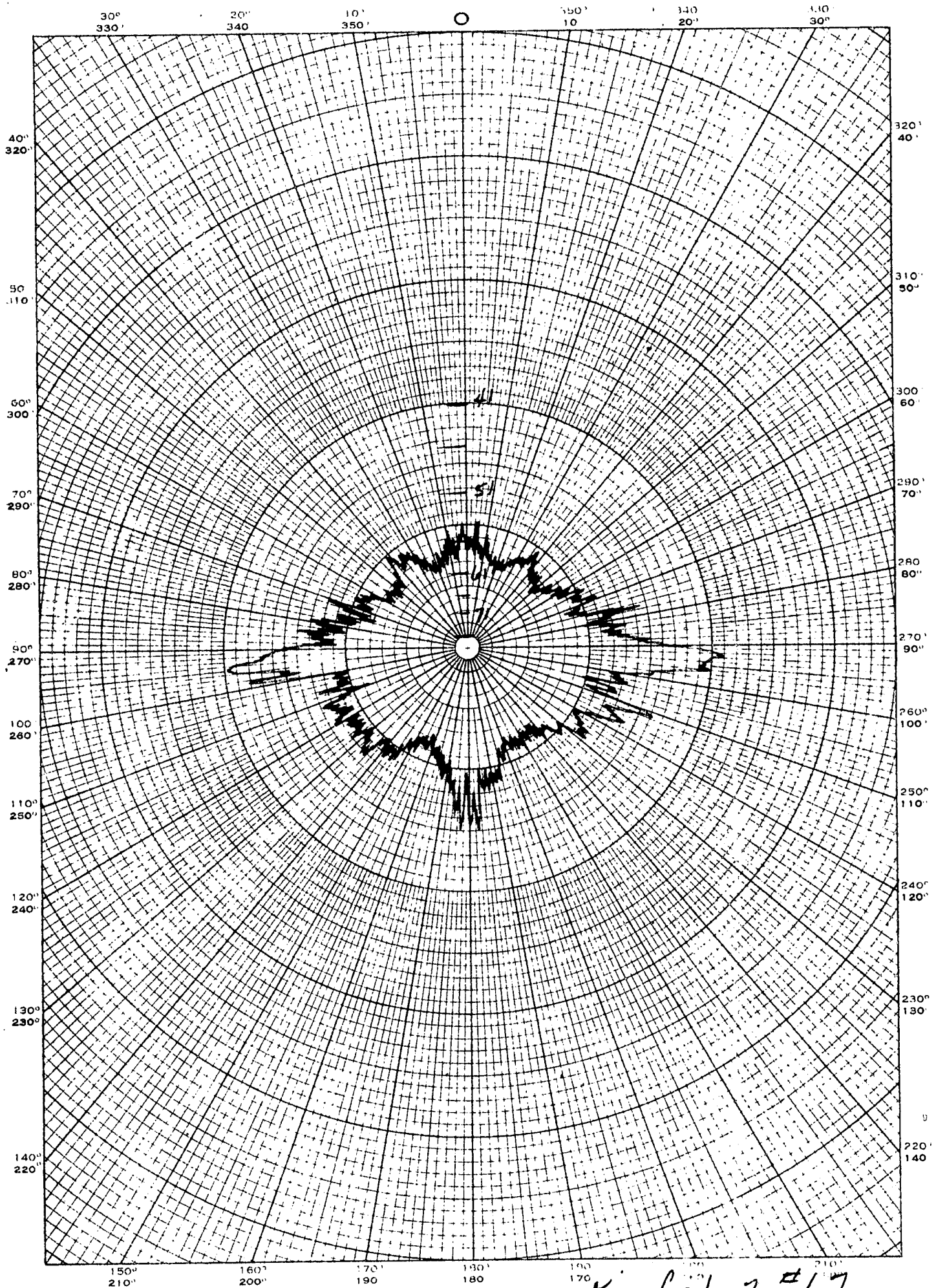
Frequency	2900 + - 150	MC
Power Output	20	
Corner Reflector	41	
System MDS	81	

Comments

Hair removed from righthand vertical stabilizer trailing edge. Lef hand vertical stabilizer as in #66. Right hand canted slightly move in board. All else same as in Run #66.

EUGENE DIETZEN CO.
MADE IN U.S.A.

NO. 340R-P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



SERIES KIRBY 7
 TEST 68

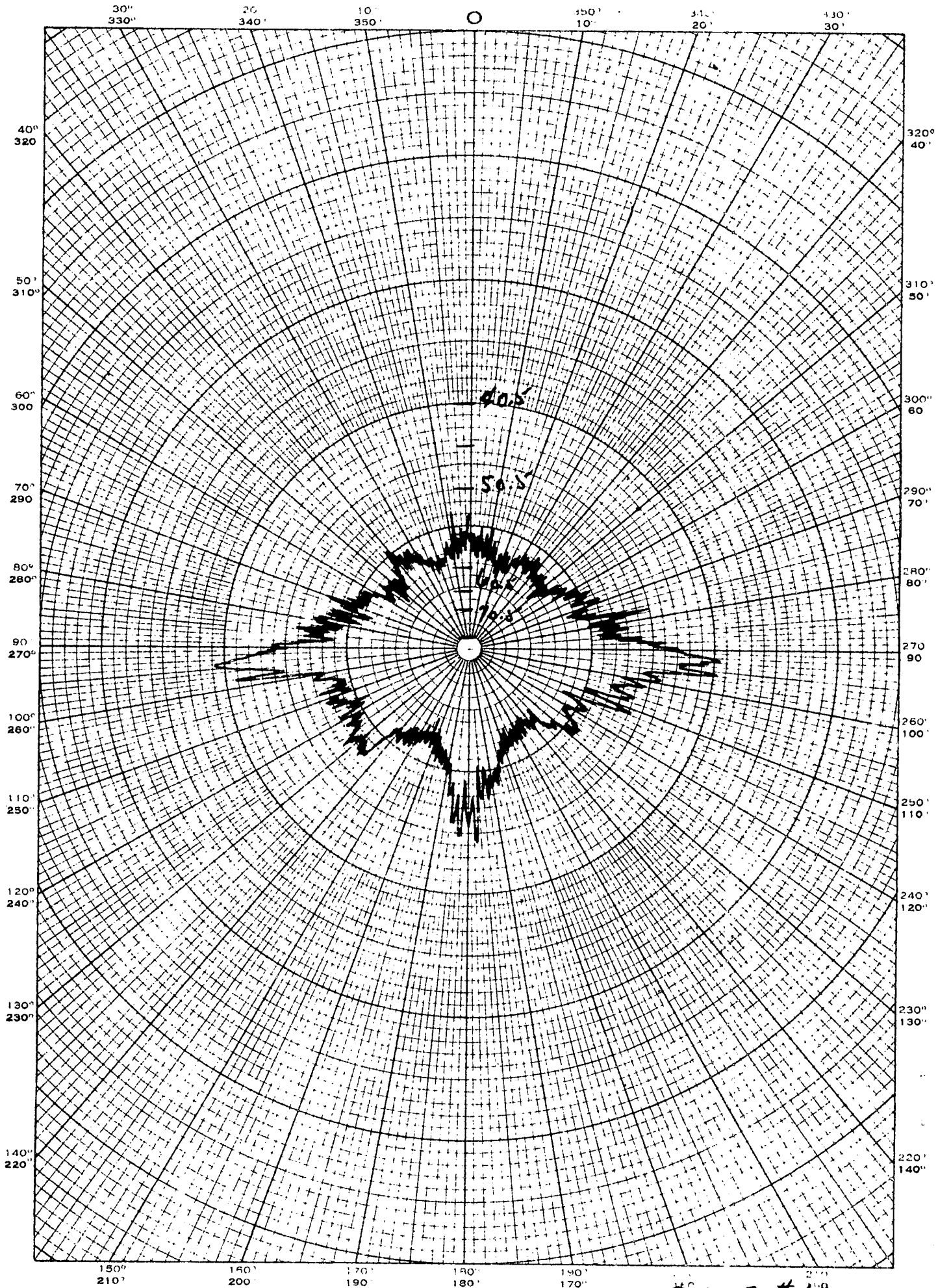
Date	8/25/59
Time	0325 Hrs.
Tilt Angle	10 Degrees
Polarization	Vertical

Frequency	2900 + - 150 MC
Power Output	19
Corner Reflector	
System MDS	

Comments

$\frac{1}{2}$ " x 1" notches trailing edges of both vertical stabilizer fins. All else same as Run #67.

NO. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE
EUGENE DIETZGEN CO.
MADE IN U.S.A.



King Sch. 7 #68

SERIES KINGFISH .7
 TEST 69

Date	8/25/89	
Time	1130	Hrs.
Tilt Angle	10	Degrees
Polarization	Vertical	

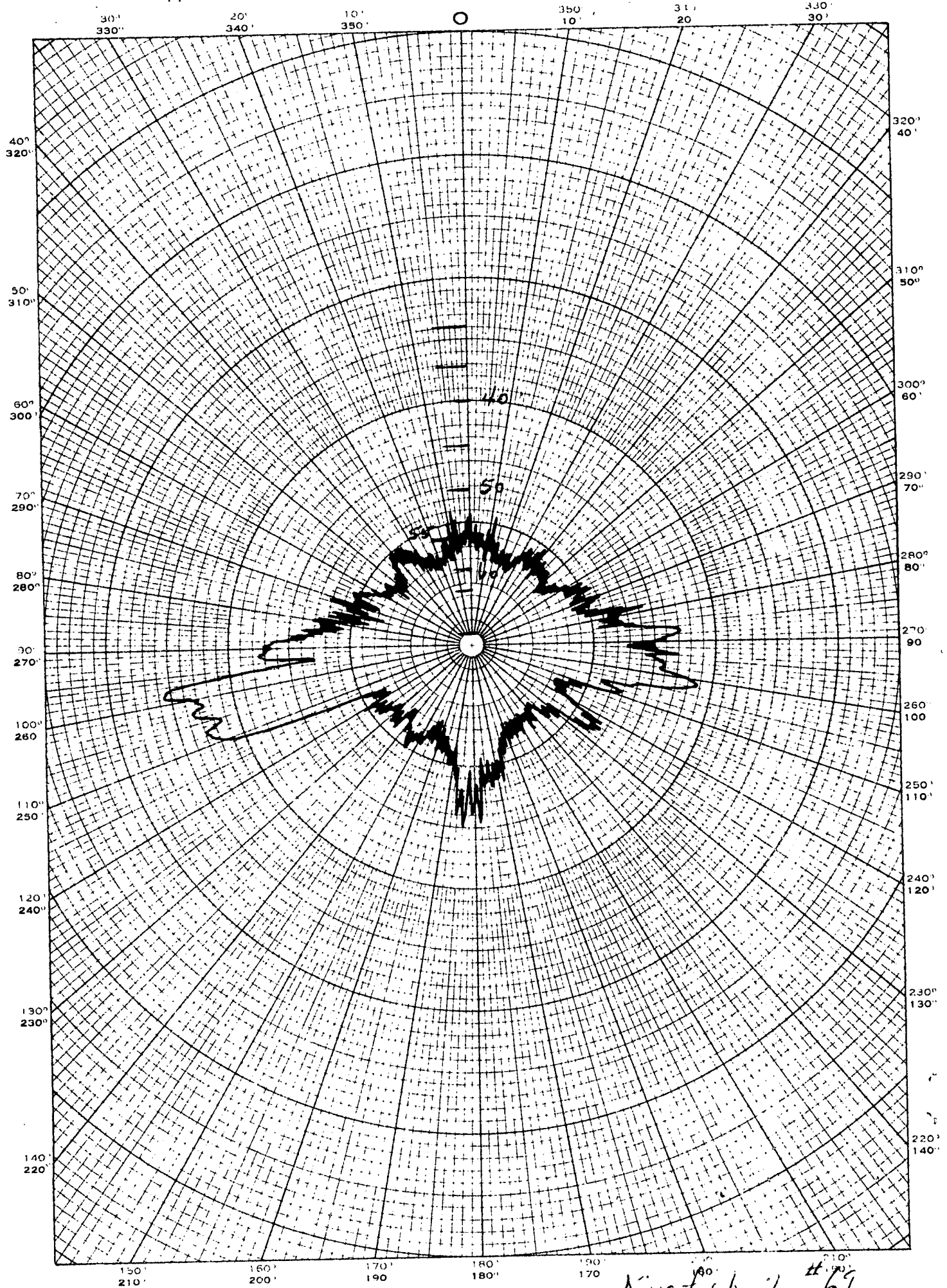
Frequency	2900 + - 100	MC
Power Output	17	
Corner Reflector	40	
System MDS	81	

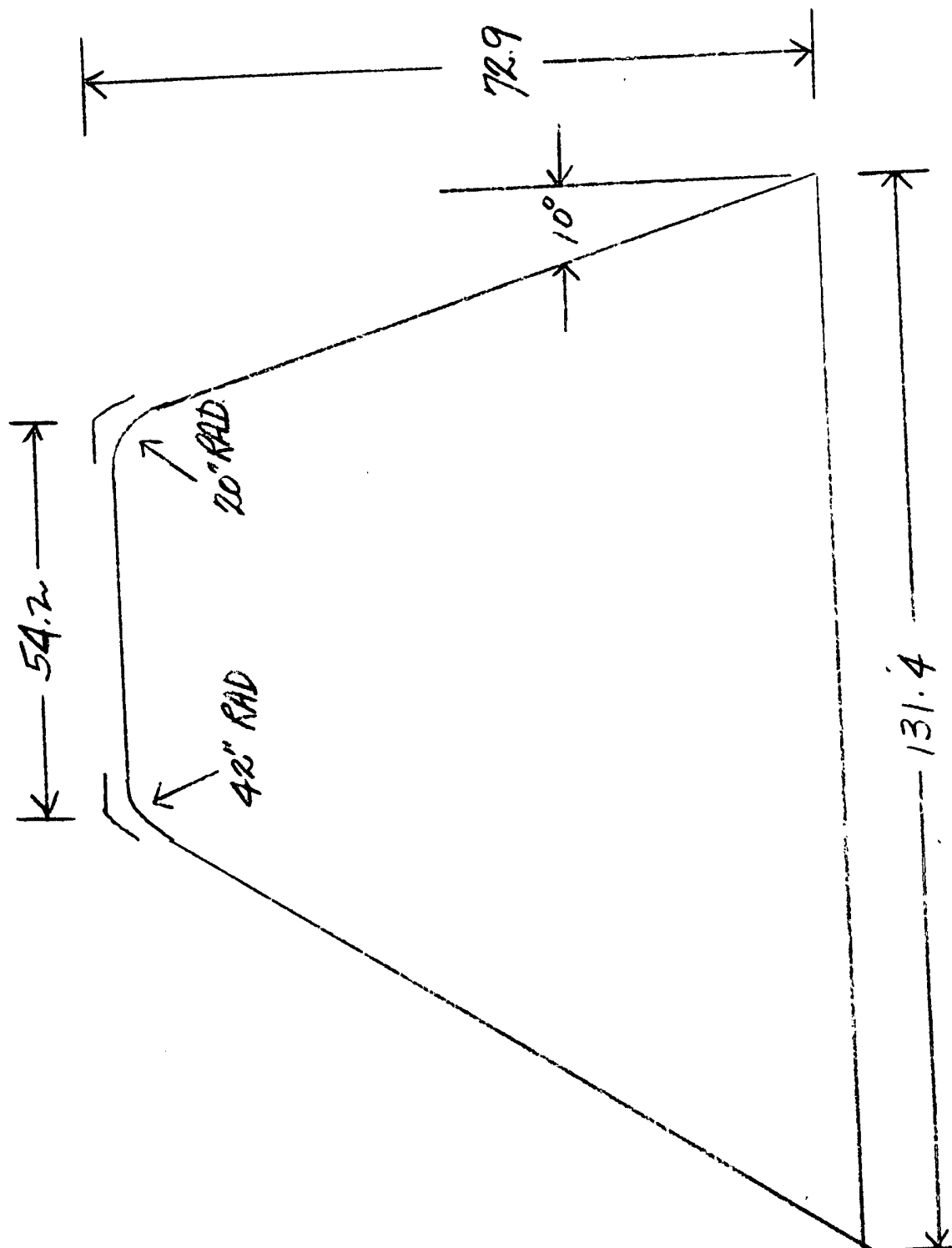
Comments

Replaced wing mounted tials with trapazoidal tails. All else same as Run #68.

EUGENE DIETZEN CO.
MADE IN U.S.A.

NO. 340R - P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE





Kingfish-7 #69

SERIES KEWATON 7
TEST 70

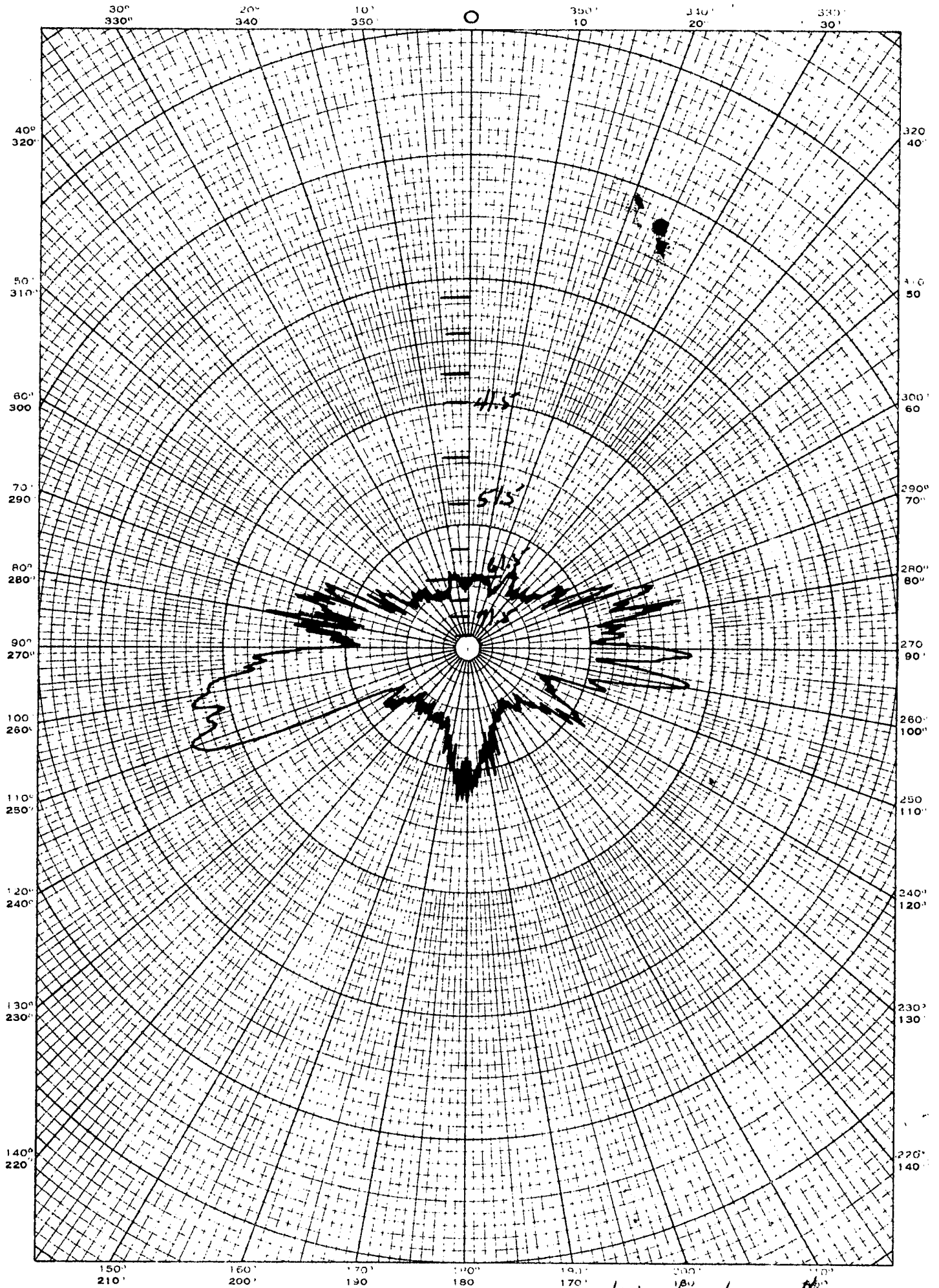
Date	8/25/59
Time	1150 Hrs.
Tilt Angle	10 Degrees
Polarization	Horizontal

Frequency	2900 + - 150	MC
Power Output	16	
Corner Reflector	41.5	
System MDS	61	

Comments

Same as Run #69. Polarization change only

EUGENE DIETZGEN CO.
2436 N. 4th St.
NO. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



SERIES

TEST ALPHABET .7

.71

Date		
Time	8/27/59	Hrs.
Tilt Angle	0920	Degrees
Polarization	10	
	Horizontal	

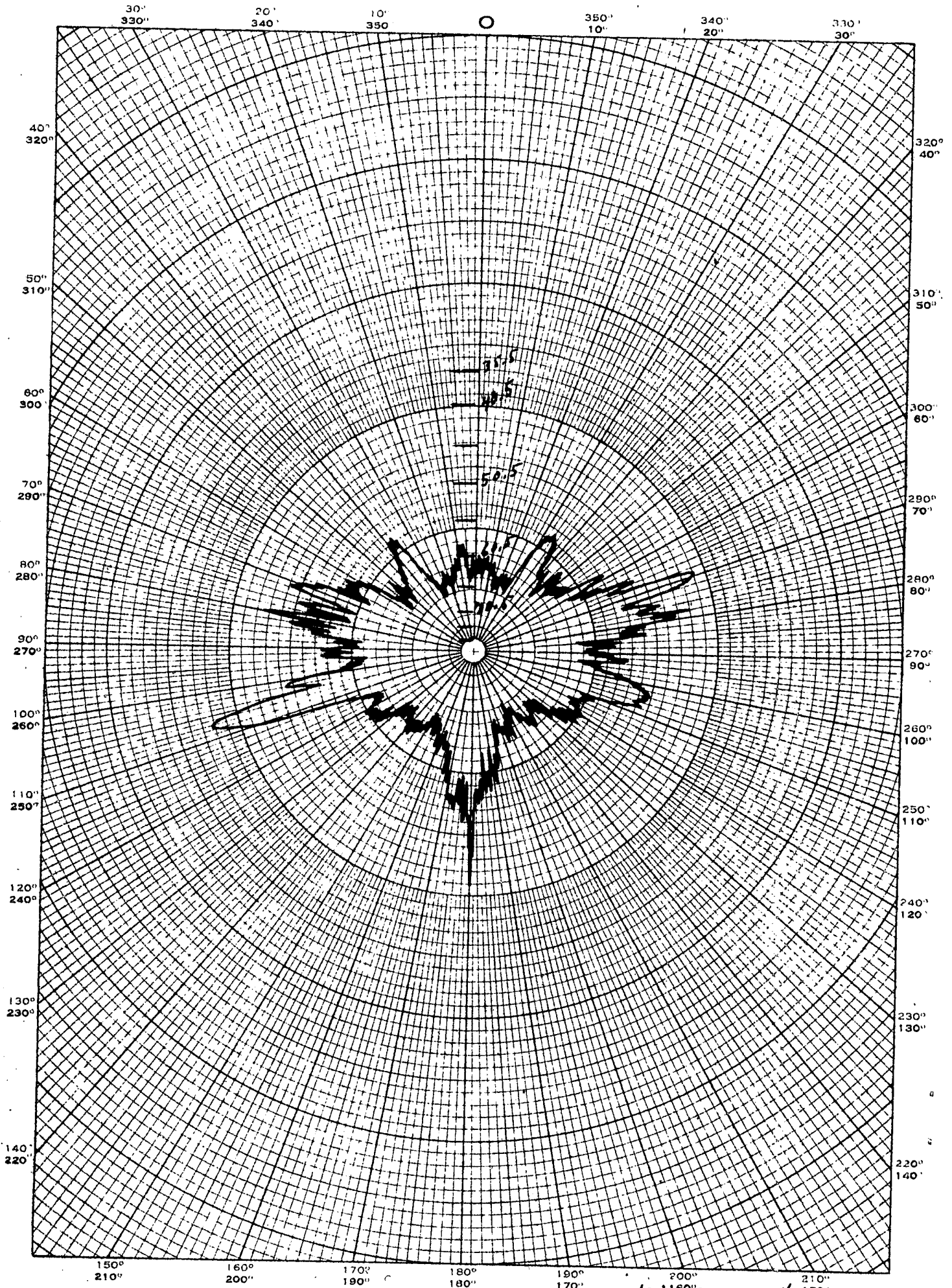
Frequency		MC
Power Output	900 + - 150	
Corner Reflector	13.8	
System MDS	40.1	
	31.	

Comments

Removed hair on inlet upper glass wall. Moved trapizoidal vertical tails forward 2' from wing trailing edge. Added 2' extension to wing trailing edge. T.S. of extension normal to center line of plane. All else same as Run #70.

EUGENE DIETZGEN CO.
MADE IN U.S.A.

NO. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



SERIES
TEST RECEIVED .7
72

Date	
Time	6/27/59 Hrs.
Tilt Angle	0925 Degrees
Polarization	10
	Vertical

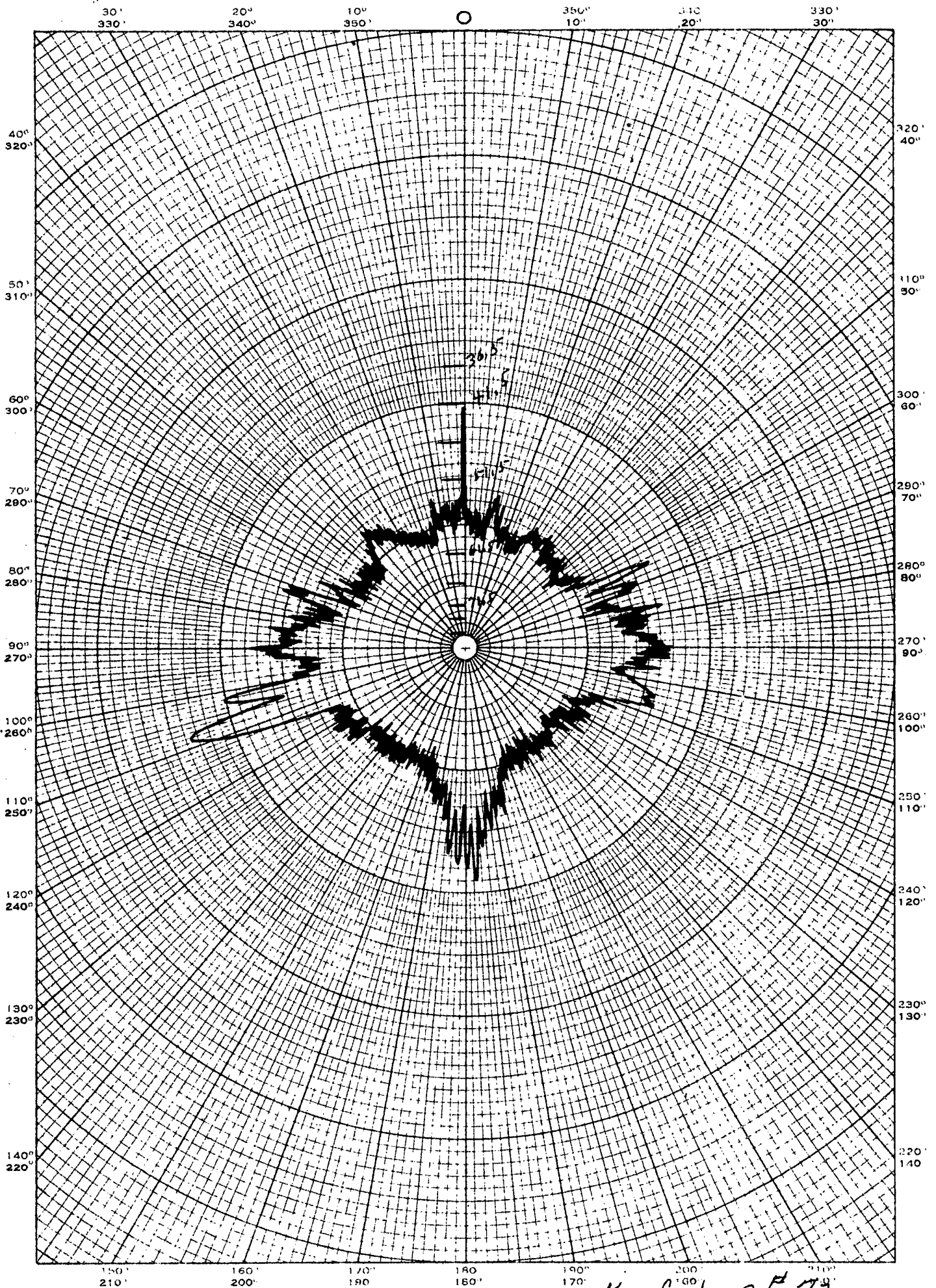
Frequency		MC
Power Output	200 + - 150	
Corner Reflector	13.2	
System MDS	41.5	
	34	

Comments

Same as Run #71. Polarization change only

EUGENE DIETZEN CO.
MADE IN U.S.A.

NO. 340R-P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



SERIES

TEST 13

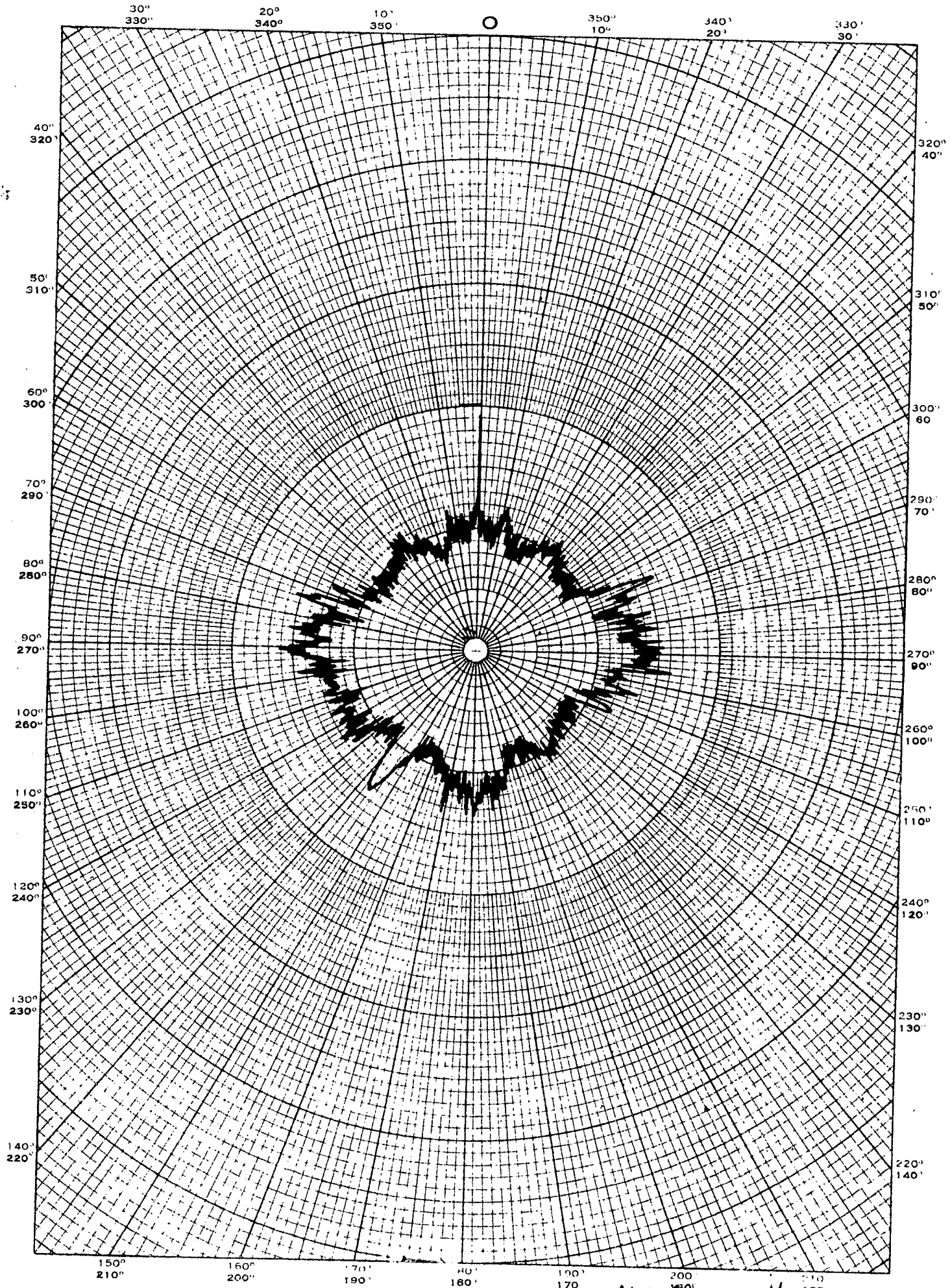
Date	
Time	8/27/59 Hrs.
Tilt Angle	0945 Degrees
Polarization	15 Vertical

Frequency		MC
Power Output	200 ± 150	
Corner Reflector	10.2	
System MDS	41.5	
	84	

Comments

Same as Run #71. Tilt angle and polarization change only. Use calibration for #72.

NO. 340R-P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE
EUGENE DIETZEN, CO.
MADE IN U.S.A.



King's 17 #73

SERIES ~~XENON~~ .7
 TEST ~~74~~

Date	8/27/59	
Time	0955	Hrs.
Tilt Angle	12.5	Degrees
Polarization	Vertical	

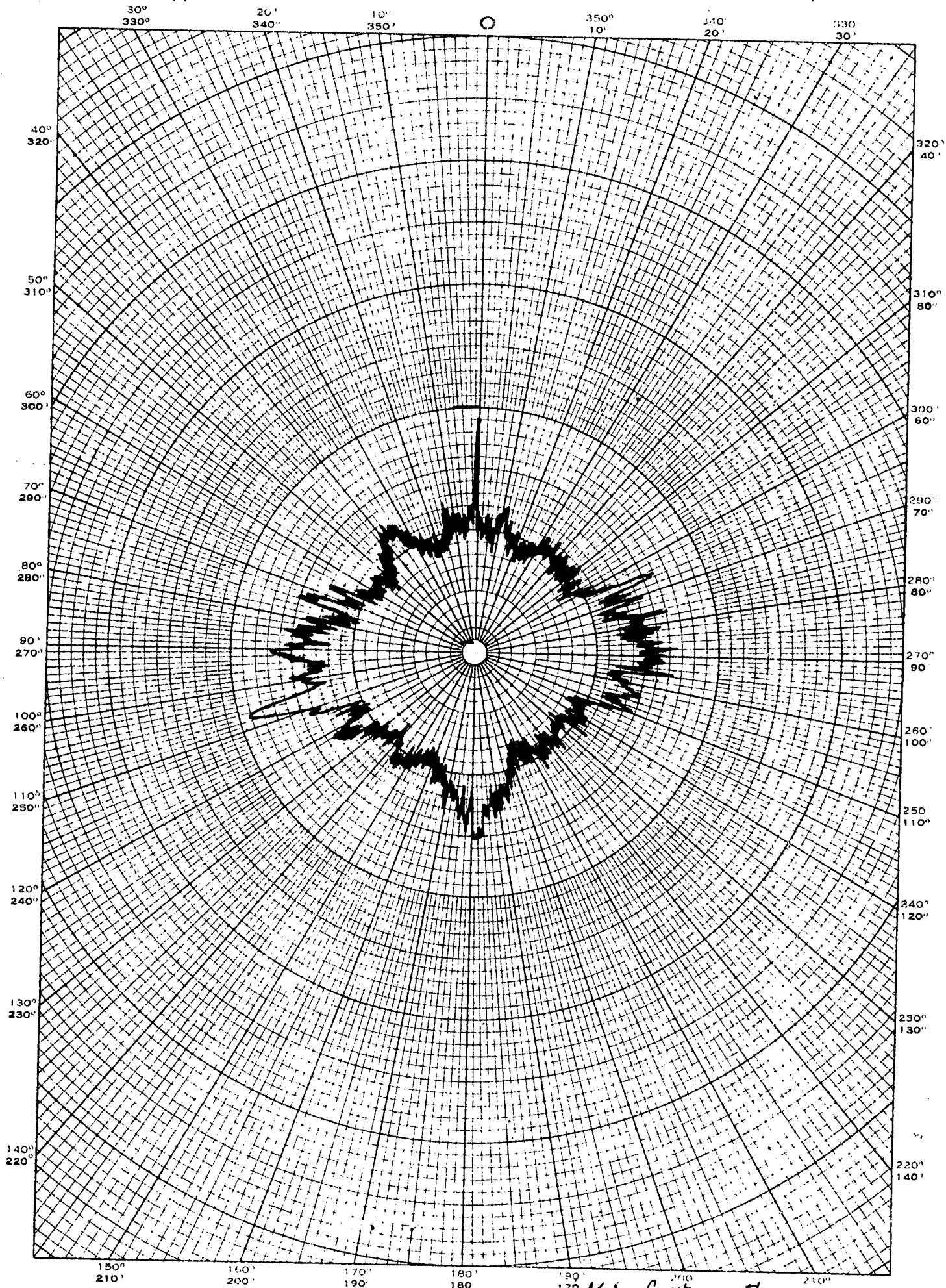
Frequency	2800 + 150	MC
Power Output	13.2	
Corner Reflector	41.5	
System MDS	84	

Comments

Same description as for Run #71. Tilt angle and polarization change. Calib. for Run #72.

EUGENE DIETZGEN CO.
MADE IN U.S.A.

NO. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



Kinofish. 7 # 74

SERIES XENON .7
TEST 75

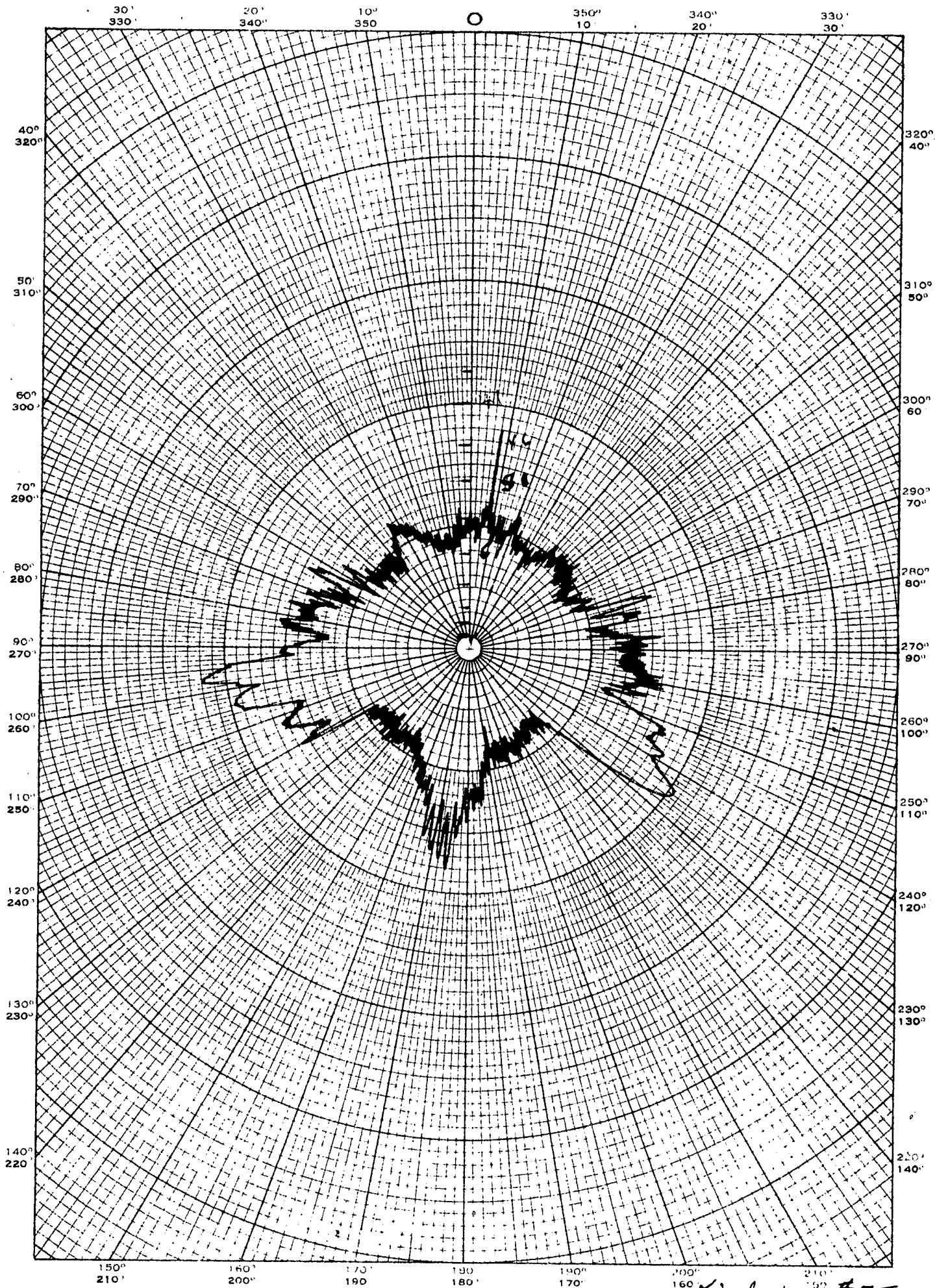
Date	8/27/59	
Time	1055	Hrs.
Tilt Angle	10	Degrees
Polarization	Vertical	

Frequency	2200 + - 150	MC
Power Output	13.2	
Corner Reflector	17	
System MDS	81	

Comments

Canted vertical tails inboard 15 degrees. All else same as Run #71. Polarization change.

EUGENE DIEZGEN CO.
MADE IN U.S.A.
NO. 340H-P DIEZGEN GRAPH PAPER
POLAR CO-ORDINATE



SERIES KINGSTON .7
TEST 76

Date	3/29/59
Time	0835 Hrs.
Tilt Angle	10 Degrees
Polarization	Vertical

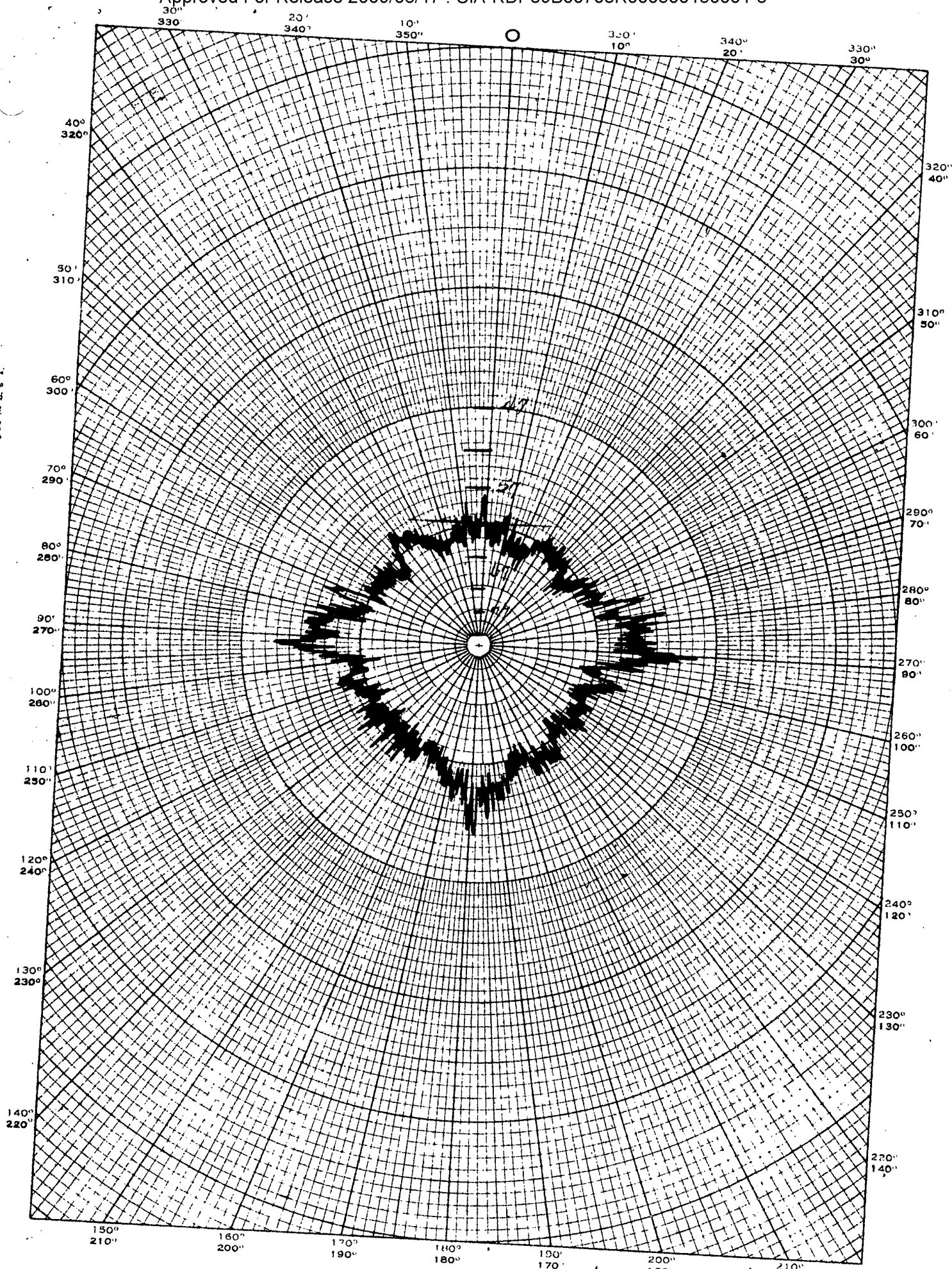
Frequency	2000 + - 150	MC
Power Output	16	
Corner Reflector	17	
System MDS	87	

Comments

See sketch.

EUGENE DIETZEN CO.
MADE IN U.S.A.

ND. 340R-P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



Kinofish. 7 # 75

- NOTES 1 NO HAIR ON MOBEL
- 2 INLET AREA CLEANED UP
- 3 WINDG & NOPTATES SAME
- 4 NO VERTICALS
- 5 DM. SWAN ARE MOBEL DM.

Boet 11/17.

15°

WL 11/25

WL 11/13

28

WL 100

Inverted 2-D Nozzle

SERIES KINGSTON 7
TEST 77

Date	3/29/59
Time	0855 Hrs.
Tilt Angle	10 Degrees
Polarization	Horizontal

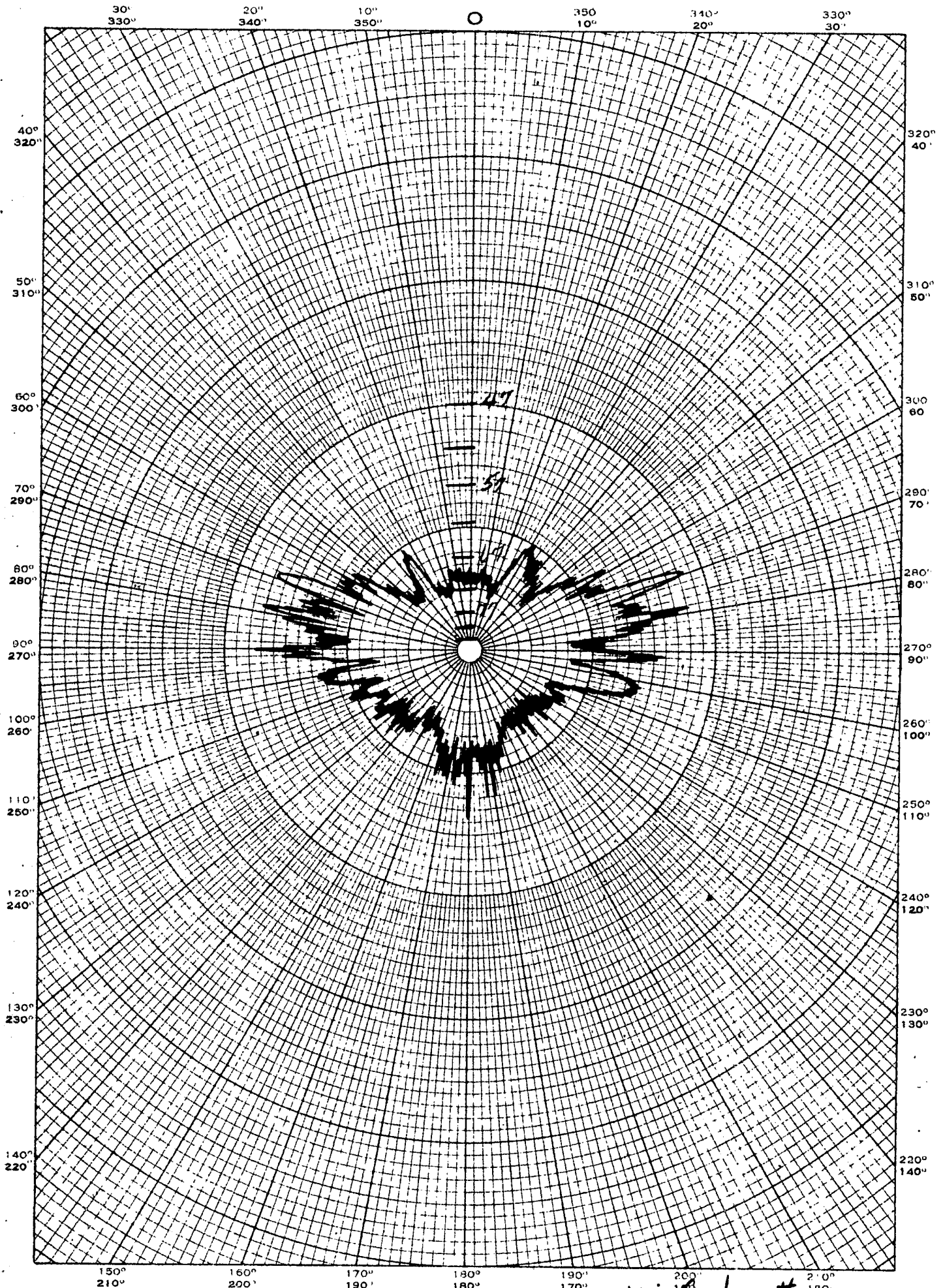
Frequency	2900 + - 150	MC
Power Output	16	
Corner Reflector	17	
System MDS	87	

Comments

Same as Run #76. Polarization change only

EUGENE DIETZEN CO.
MADE IN U.S.A.

NO. 340R-P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



Kinafish 7 # 77

SERIES KI 0121 .7
TEST 78

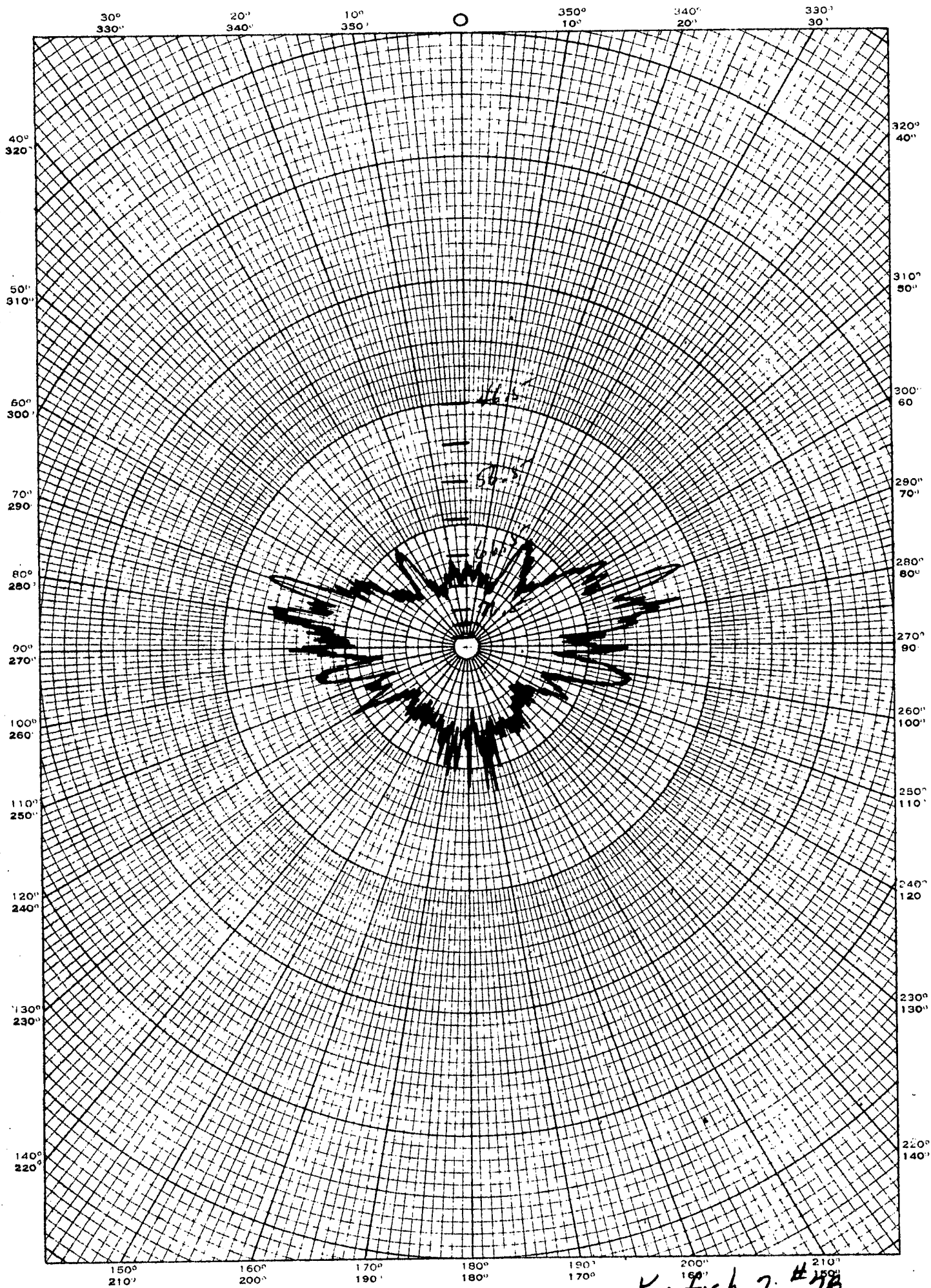
Date	8/29/59
Time	0915 Hrs.
Tilt Angle	12 Degrees
Polarization	Horizontal

Frequency	2900 + - 10	MC
Power Output	17	
Corner Reflector	46.5	
System MDS	37	

Comments

Same as Run #77. Tilt angle change only.

EUGENE DIETZEN CO.
U.S.A.
NO. 340R-P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



Kinafish. 7 #78

SERIES KIMWISH .7
TEST 79

Date	8/29/59
Time	0925 Hrs.
Tilt Angle	12 Degrees
Polarization	Vertical

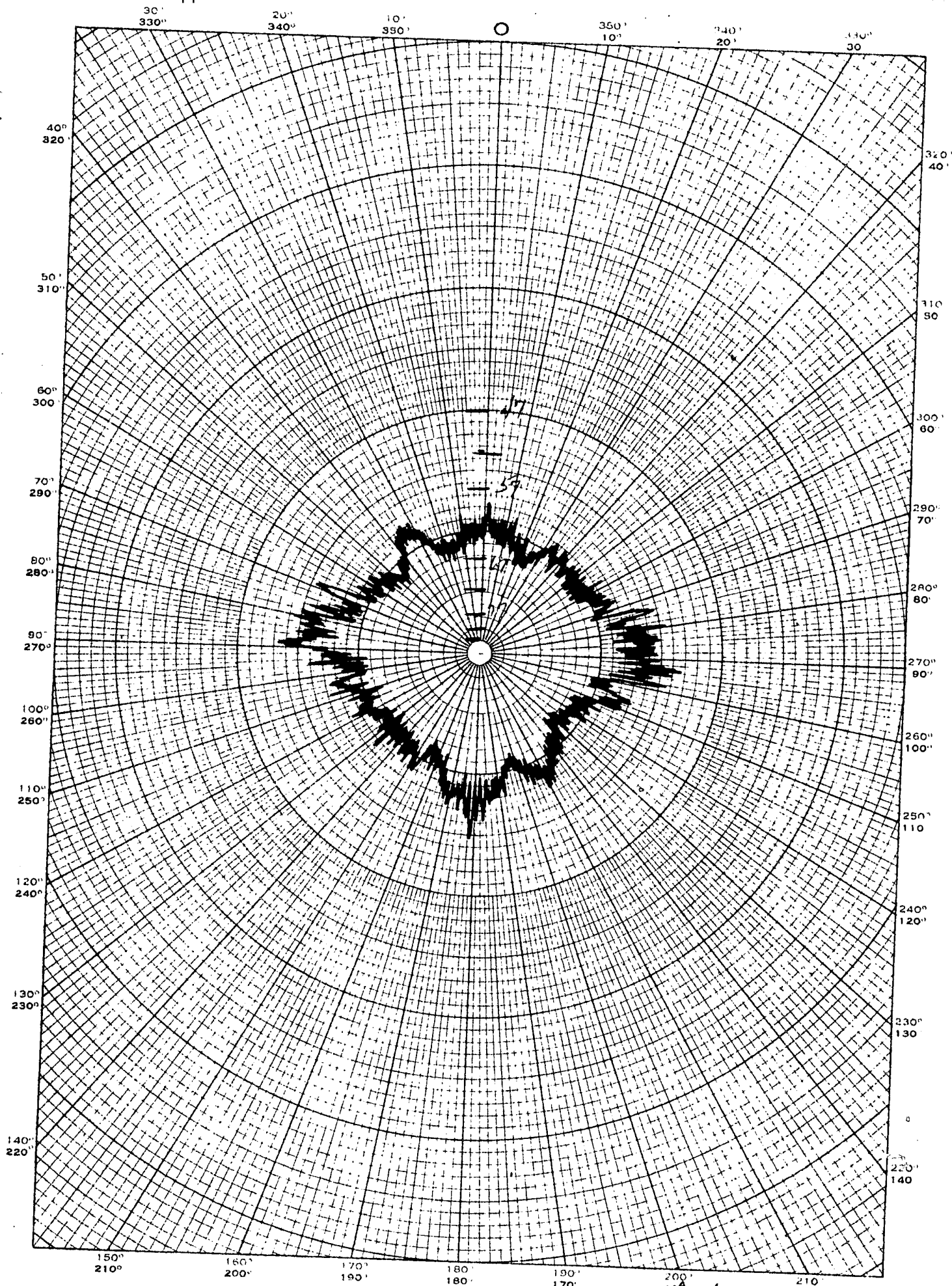
Frequency	2900 + - 100	MC
Power Output	18	
Corner Reflector	47	
System MDS	37	

Comments

Same as Run 778. Polarization change only

EUGENE DIETZGEN CO.

POLAR CO-ORDINATE



Kingfish, 7 #79

SERIES WISSEMAN .7
 TEST 80

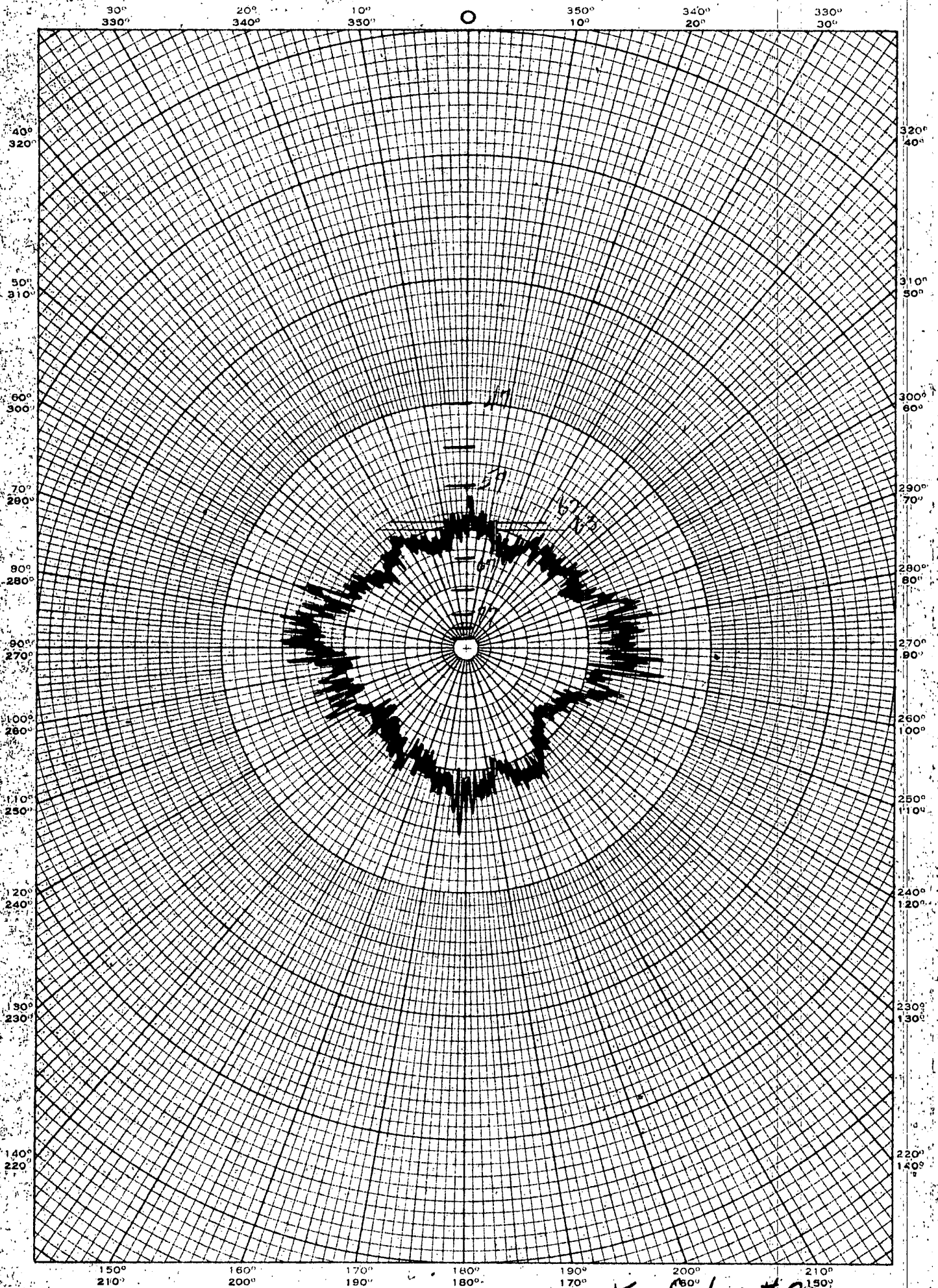
Date	3/29/59
Time	0940 Hrs.
Tilt Angle	15 Degrees
Polarization	Vertical

Frequency	2900 + - 100	MC
Power Output	17	
Corner Reflector	17	
System MDS	23	

Comments

Same as Run #79. Tilt angle change only.

EUGENE DIETZEN CO.
MADE IN U.S.A.
KINAFICH GRAPH PAPER
POLAR COORDINATE



Kinafich 1 #80

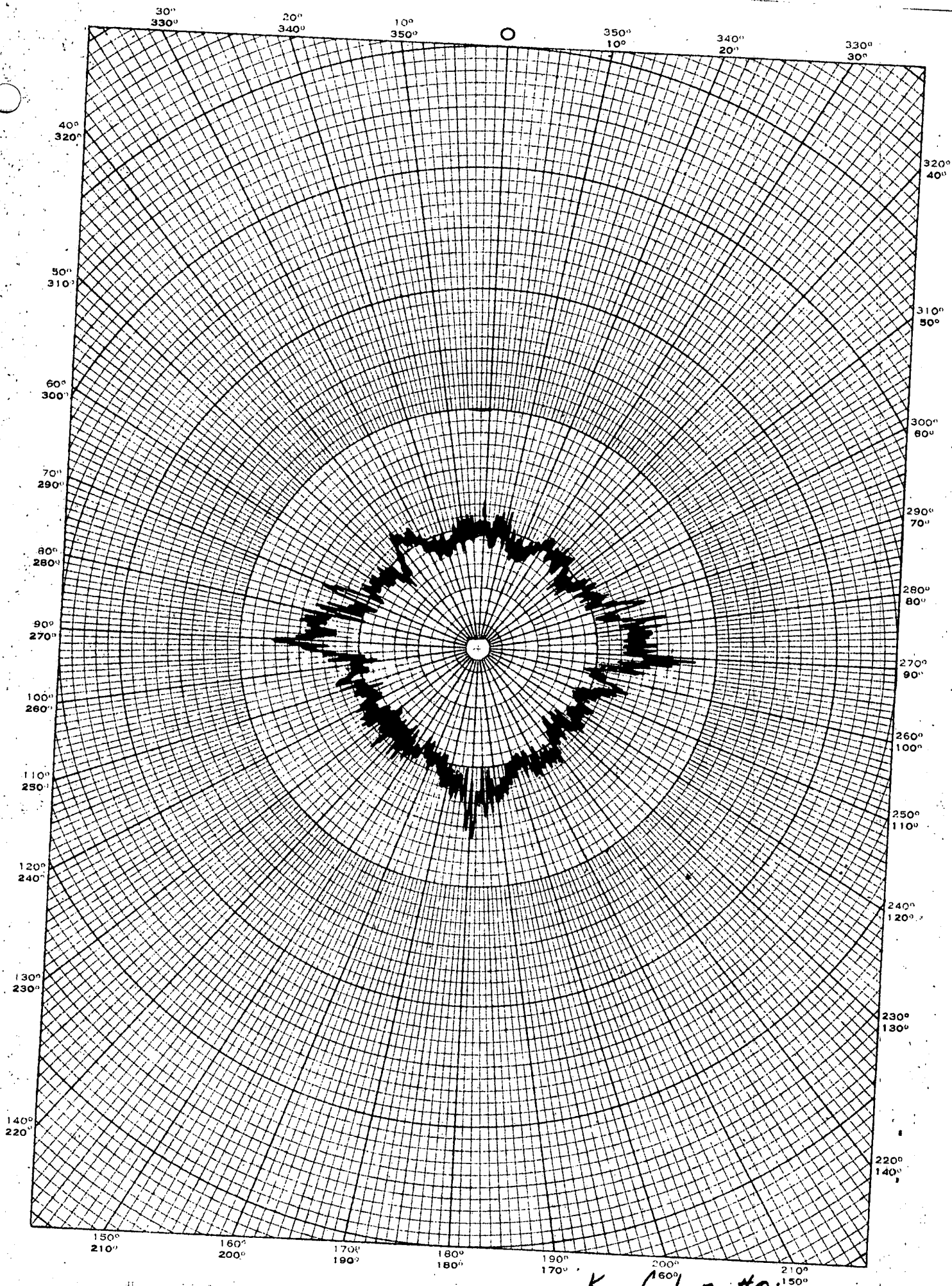
SERIES WIKIPIPI .7
 TEST 81

Date	6/29/59
Time	1000 Hrs.
Tilt Angle	10 Degrees
Polarization	Vertical

Frequency	2000 + - 100	MC
Power Output	17	
Corner Reflector	17	
System MDS	.60	

Comments

Rotated shield 10 degree clockwise. Tilt angle change. Calibration as in #80.
 All else same as Run #80.



SERIES KINSEY .7
 TEST 82

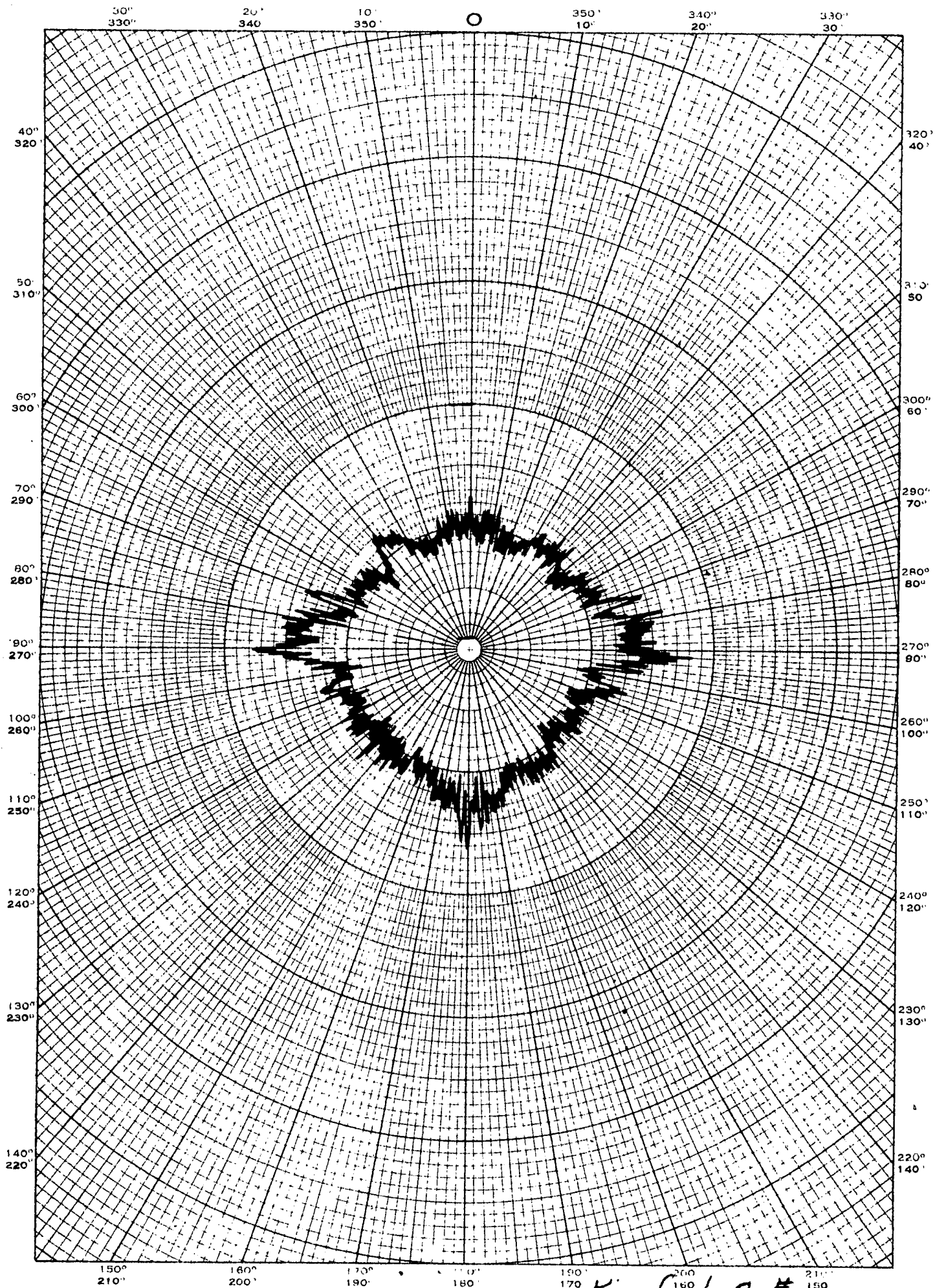
Date	8/29/59
Time	1010 Hrs.
Tilt Angle	10 Degrees
Polarization	Vertical

Frequency	2900 + - 100	MC
Power Output	17	
Corner Reflector	47	
System MDS	83	

Comments

Shield rotated 30 degrees clockwise. Calibration for Run #80. All also same as Run #81.

EUGENE DIETZEN CO.
MADE IN U.S.A.
POLAR CO-ORDINATE



SERIES KITNEY .7TEST 83

Date	8/29/59
Time	1125 Hrs.
Tilt Angle	10 Degrees
Polarization	Vertical

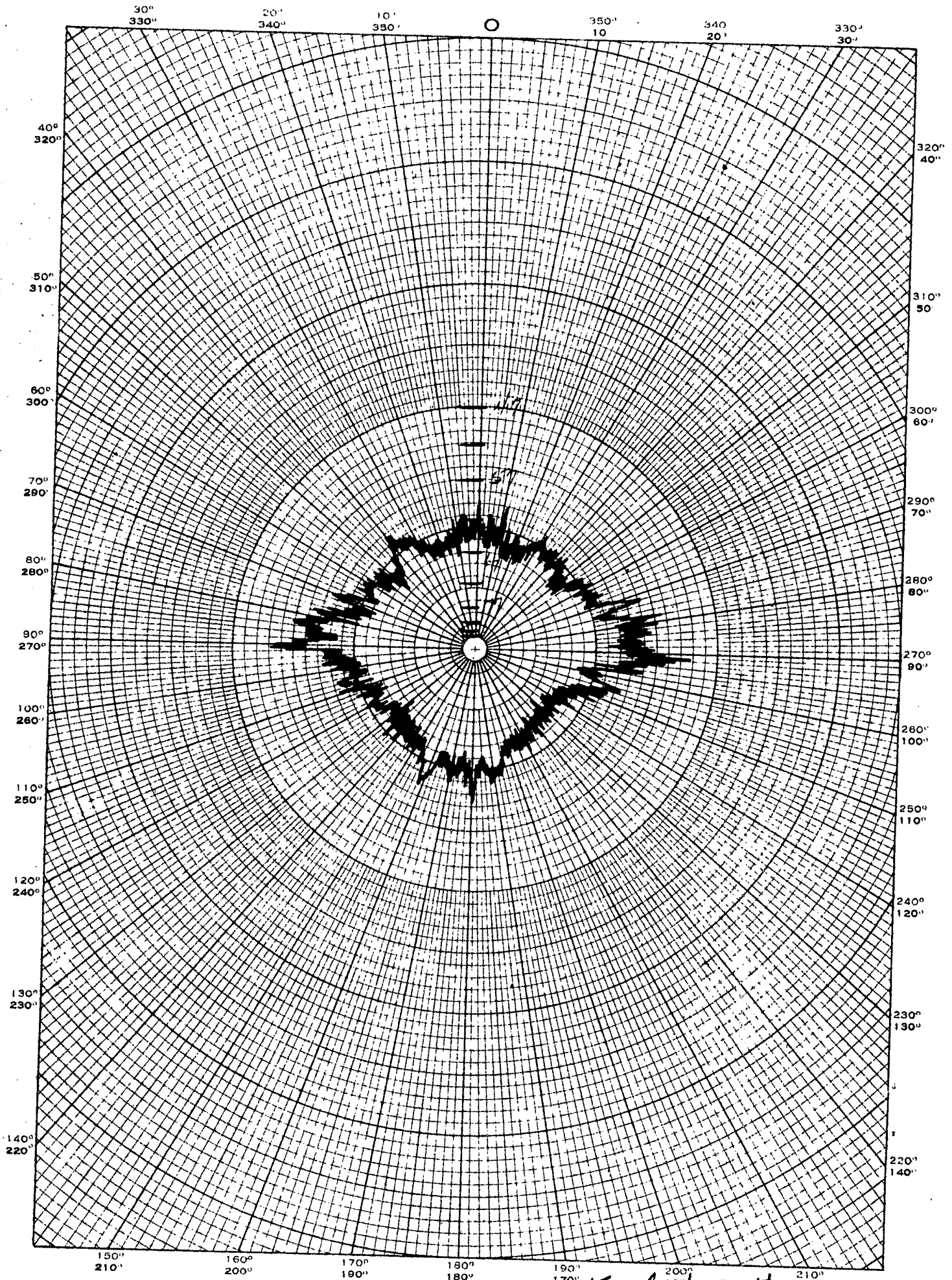
Frequency	2000 + - 150	MC
Power Output	17	
Corner Reflector	17	
System MDS	88	

Comments

Foiled over entire exhaust at top of fences level. Removed right hand fiberglass section of inlet. All else same as Run #82. Shield returned to zero degrees.

EUGENE DIETZGEN CO.
MADE IN U.S.A.

NO. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



SERIES PROPERTY .7
TEST 8L

Date	8/29/59
Time	1135 Hrs.
Tilt Angle	10 Degrees
Polarization	Horizontal

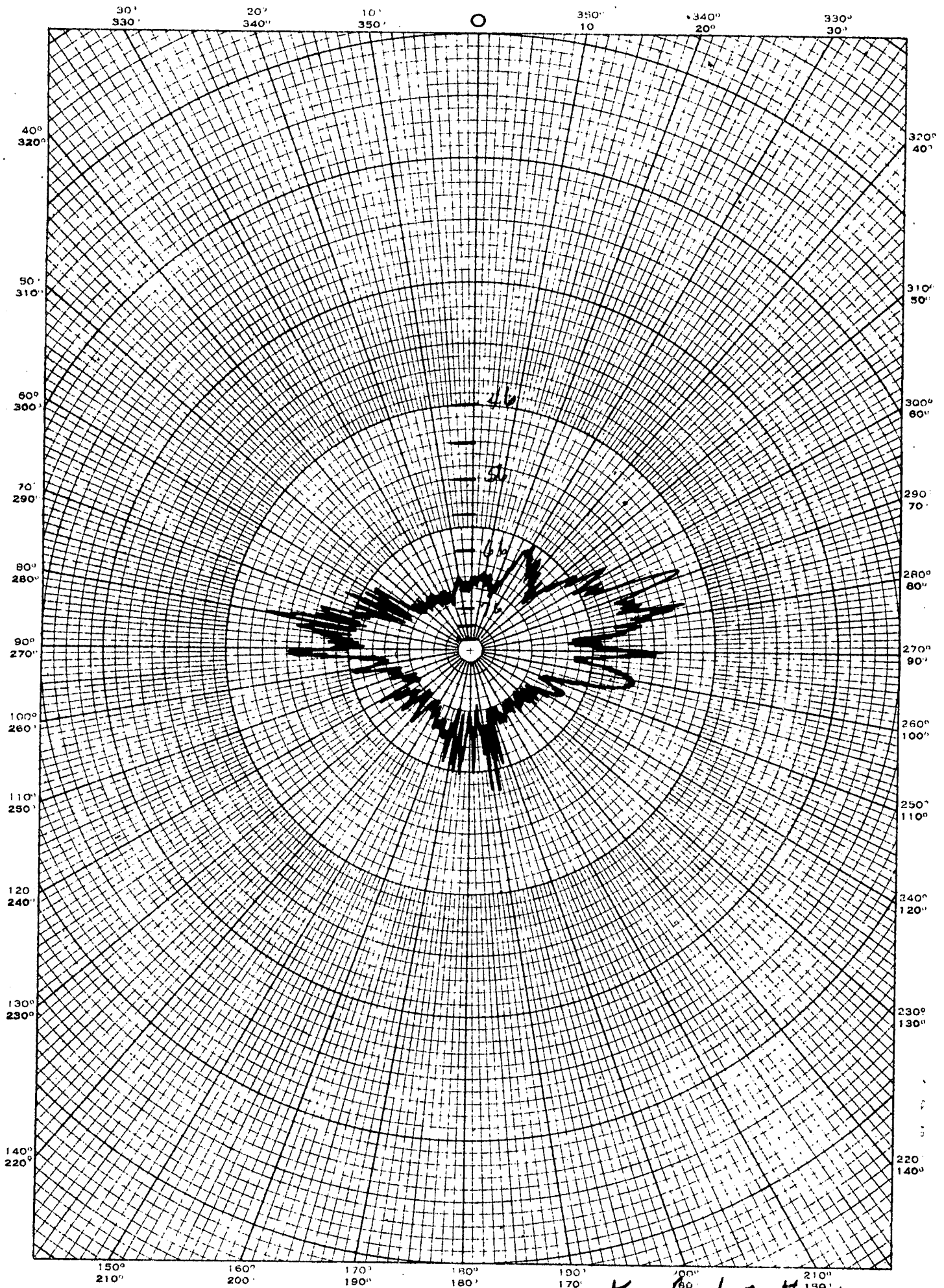
Frequency	2900 + - 150	MC
Power Output	17	
Corner Reflector	16	
System MDS	61	

Comments

Same as Run 483. Polarization change only.

EUGENE DIETZGEN CO.
MADE IN U.S.A.

POLAR CO-ORDINATE



Kingfish. 7 84

SERIES REMOVED 7
TEST 85

Date	3/29/59
Time	1220 Hrs.
Tilt Angle	10 Degrees
Polarization	Horizontal

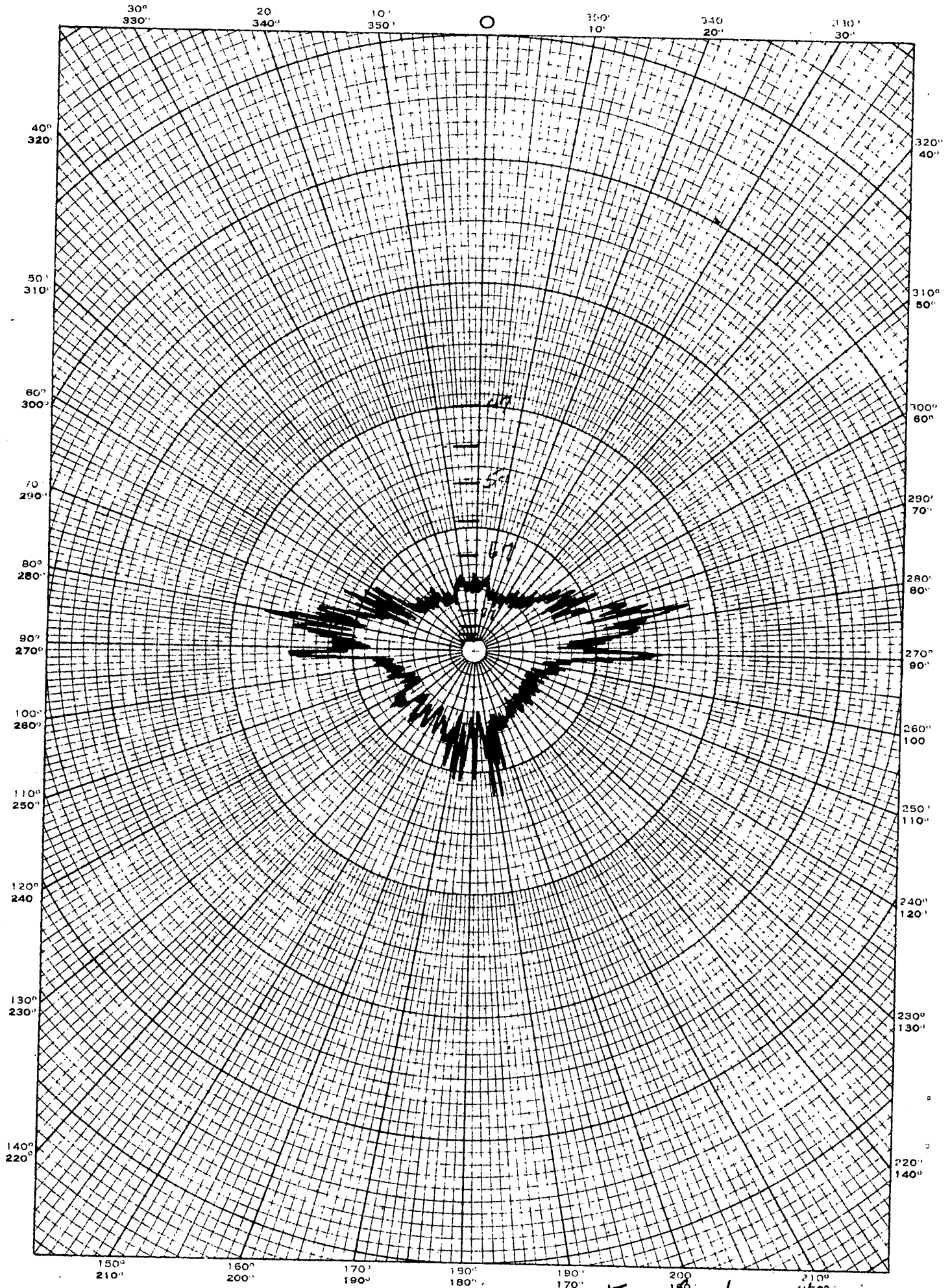
Frequency	2900 + - 150	MC
Power Output	17	
Corner Reflector	27	
System MDS	23	

Comments

Removed left hand fiberglass section of inlet. All else same as Run #83. Polarization same as Run #84.

EUGENE DIETZGEN CO.
MADE IN U.S.A.

NO. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



15 Feb 7 85

SERIES KINEM .7
TEST 86

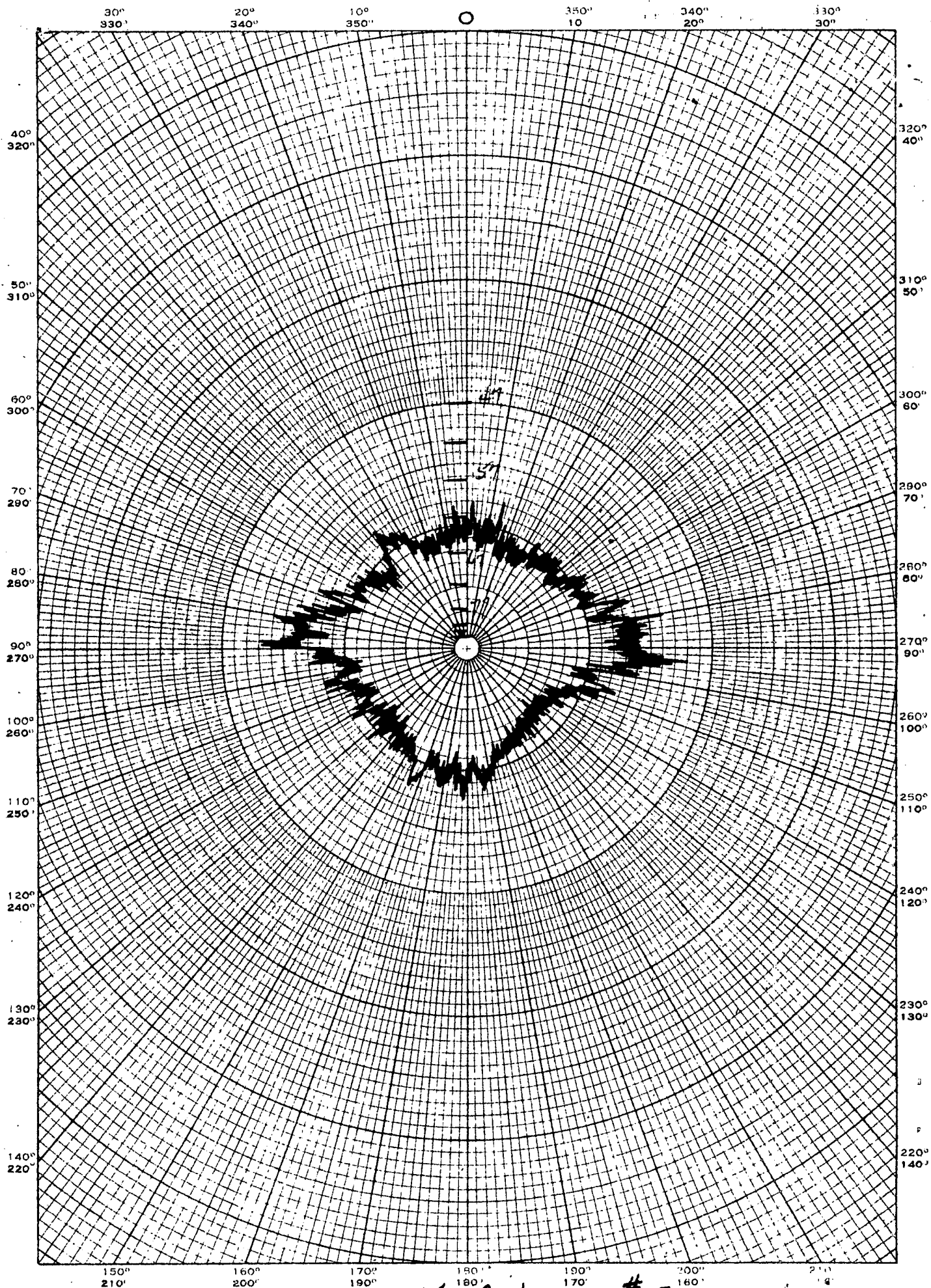
Date	3/29/59
Time	1230 Hrs.
Tilt Angle	10 Degrees
Polarization	Vertical

Frequency	2900 + - 150	MC
Power Output	17	
Corner Reflector	37	
System MDS	37	

Comments

Same as Run #85. Polarization change only.

EUGENE DIETZEN, CO.
NO. 340R-P DIETZEN, GRAPH PAPER
POLAR CO-ORDINATE



SERIES KINSEI .7
 TEST 37

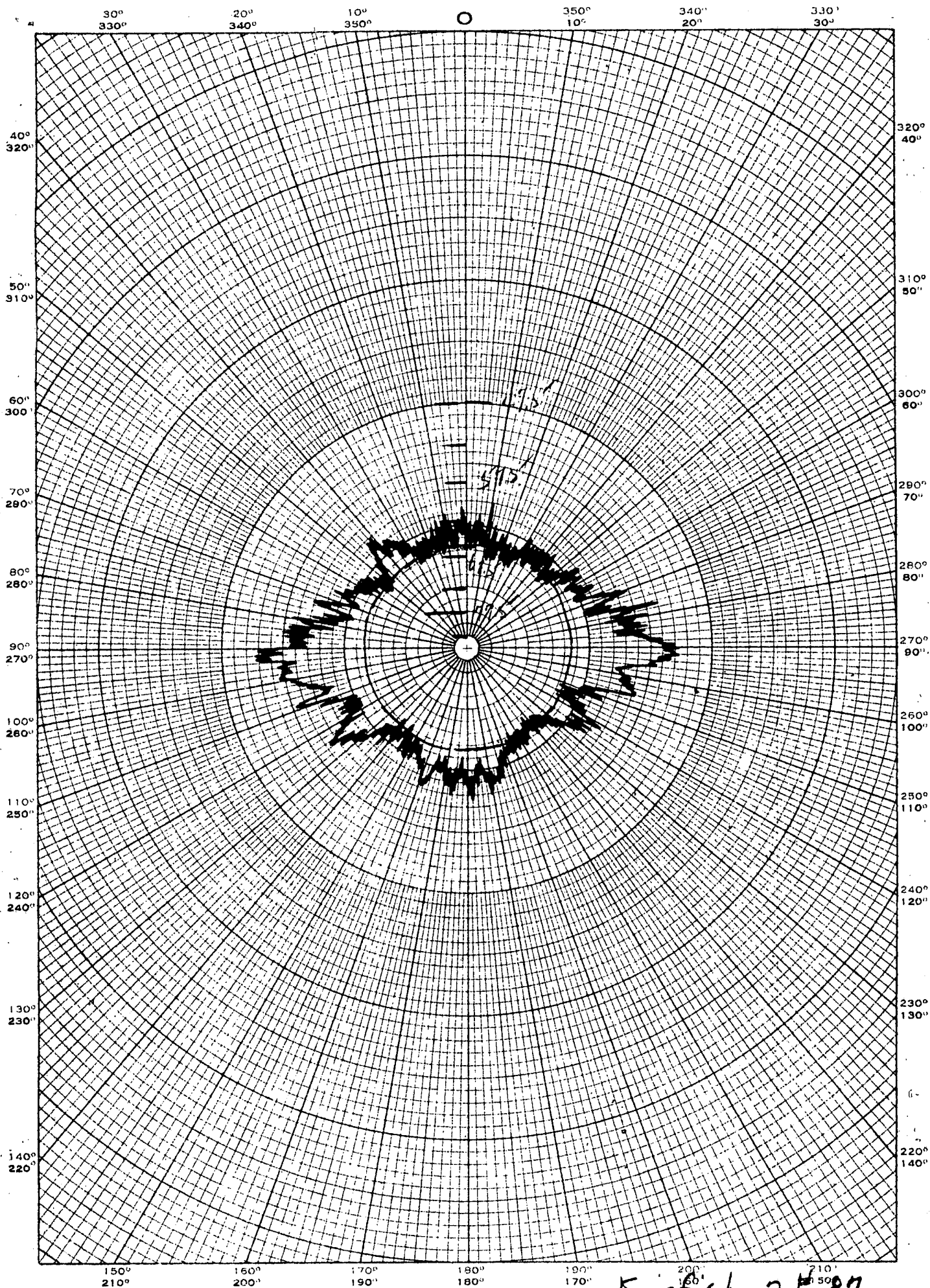
Date	6/29/59
Time	1105 Hrs.
Tilt Angle	10 Degrees
Polarization	Vertical

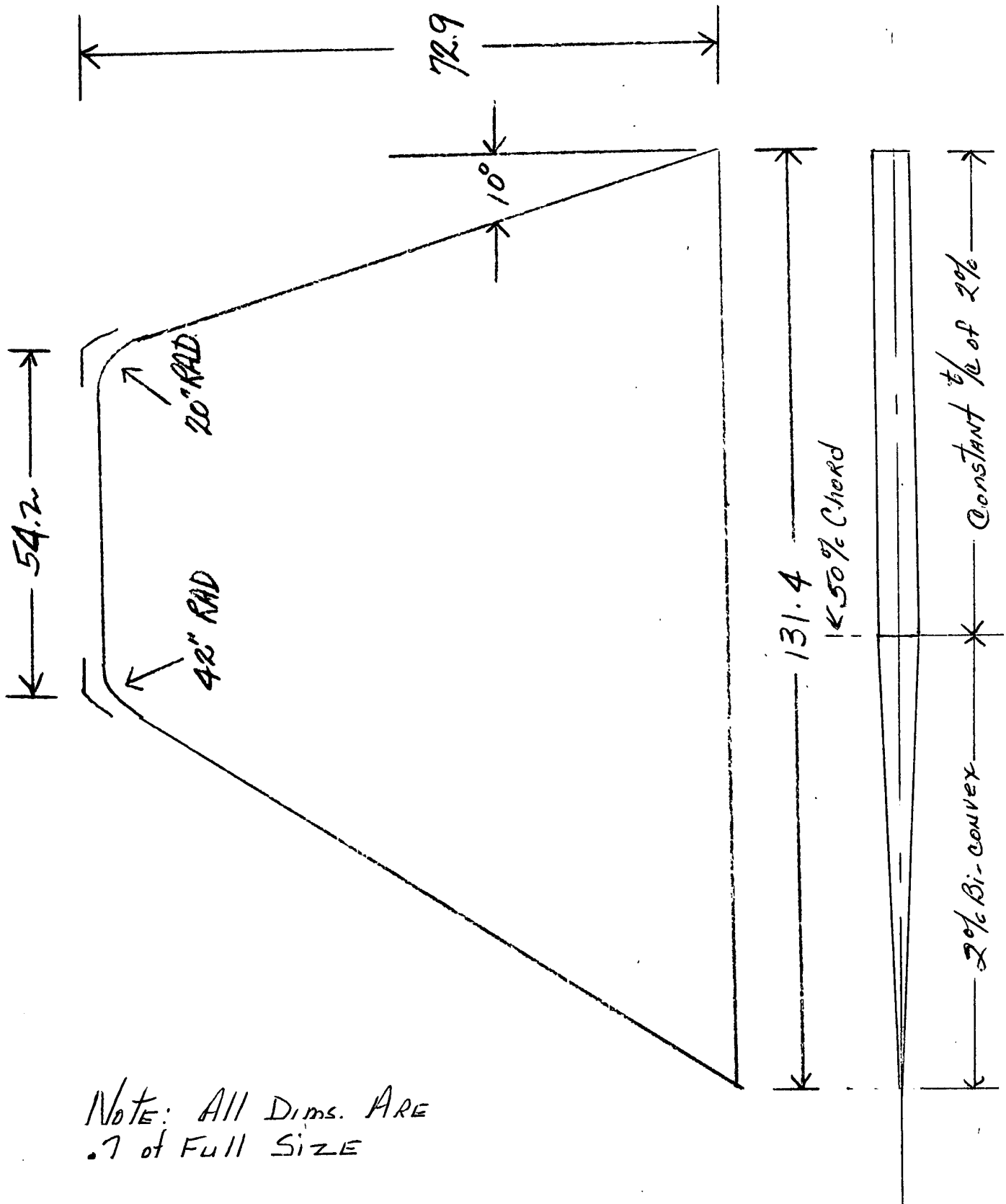
Frequency	2930 + - 150	MC
Power Output	10	
Corner Reflector	17.5	
System MDS	38	

Comments

Added 8 degree inboard canted wing mounted trapezoidal vertical tails. All also same as Run #86.

EUGENE DIETZGEN CO.
MADE IN U.S.A.
NO. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE





Kingfish .7 # 87

SERIES
TEST KINGFISH .7
88

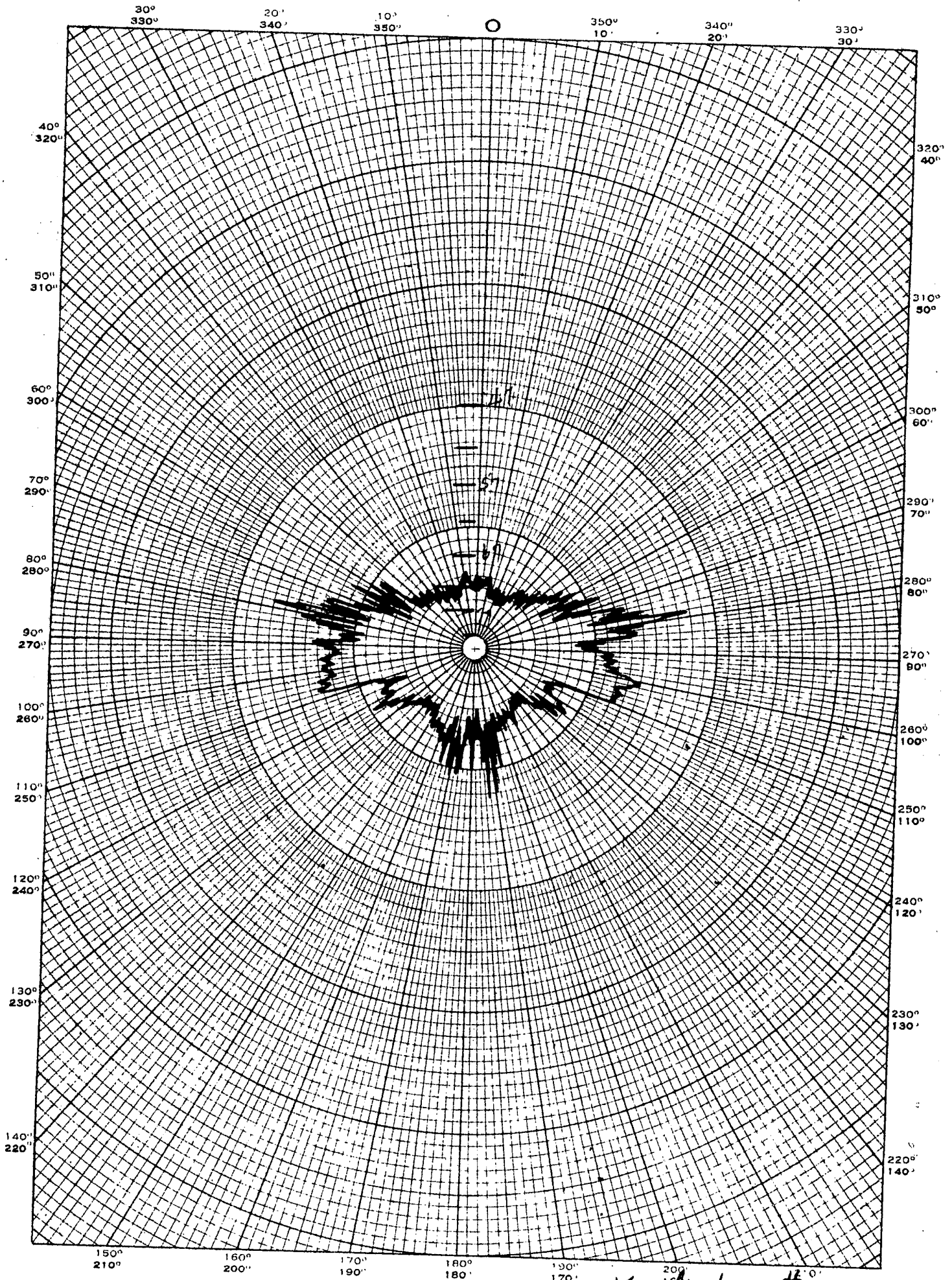
Date	
Time	3/29/59 Hrs.
Tilt Angle	1020 Degrees
Polarization	10 Horizontal

Frequency	MC
Power Output	500 + - 100
Corner Reflector	17
System MDS	18 88

Comments

Same as Run #87. Polarization change only.

EUGENE DIETZGEN CO.
NO. 540R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



SERIES
TEST ALERT 07
89

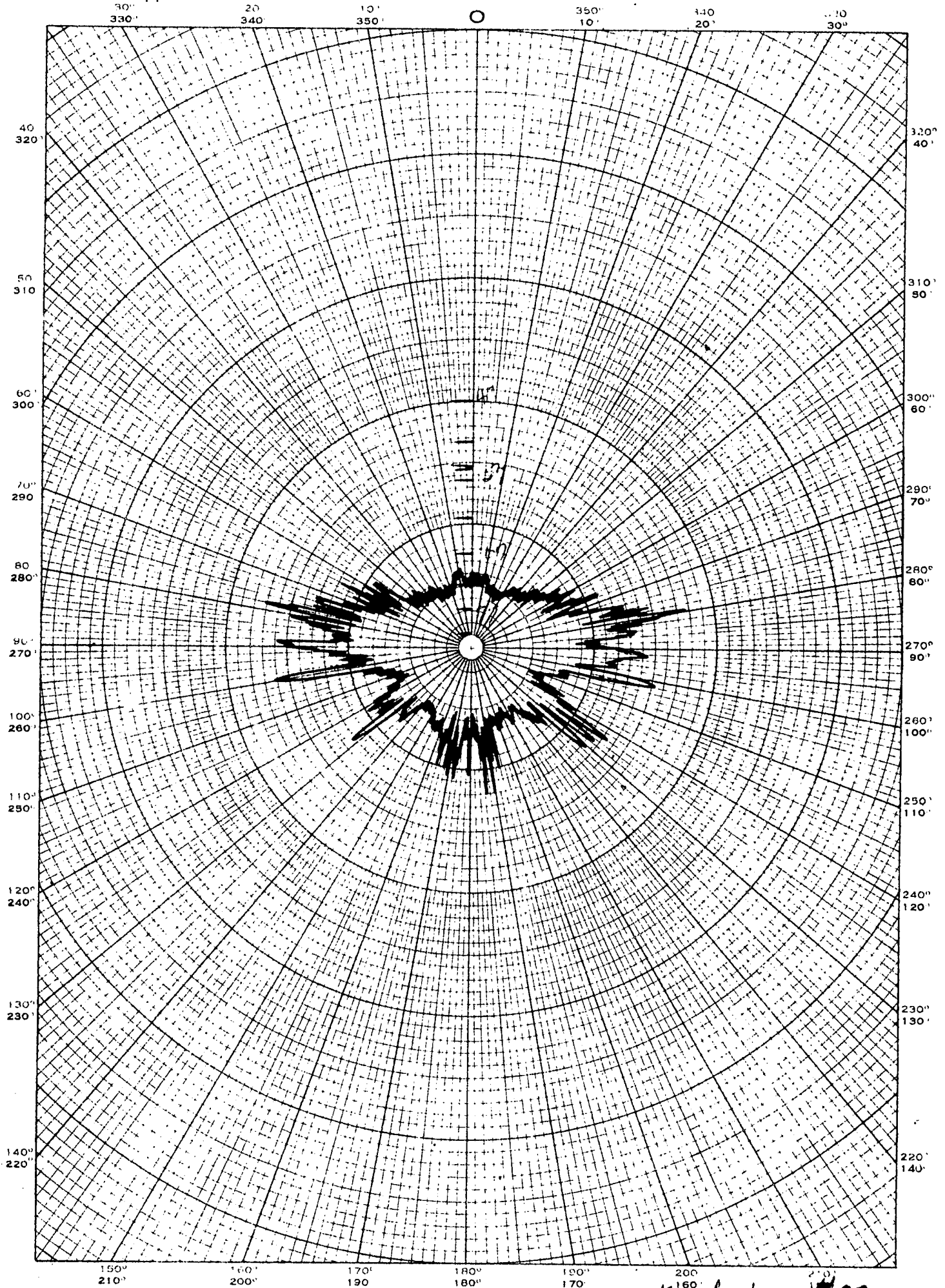
Date	
Time	8/29/59 Hrs.
Tilt Angle	1510 Degrees
Polarization	10
	Horizontal

Frequency		MC
Power Output	2900 + - 1.0	
Corner Reflector	13	
System MDS	17	
	83	

Comments

Changed tail cant from 8 to 0 degrees. All else same as Run 137.

NU. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



1-17-89

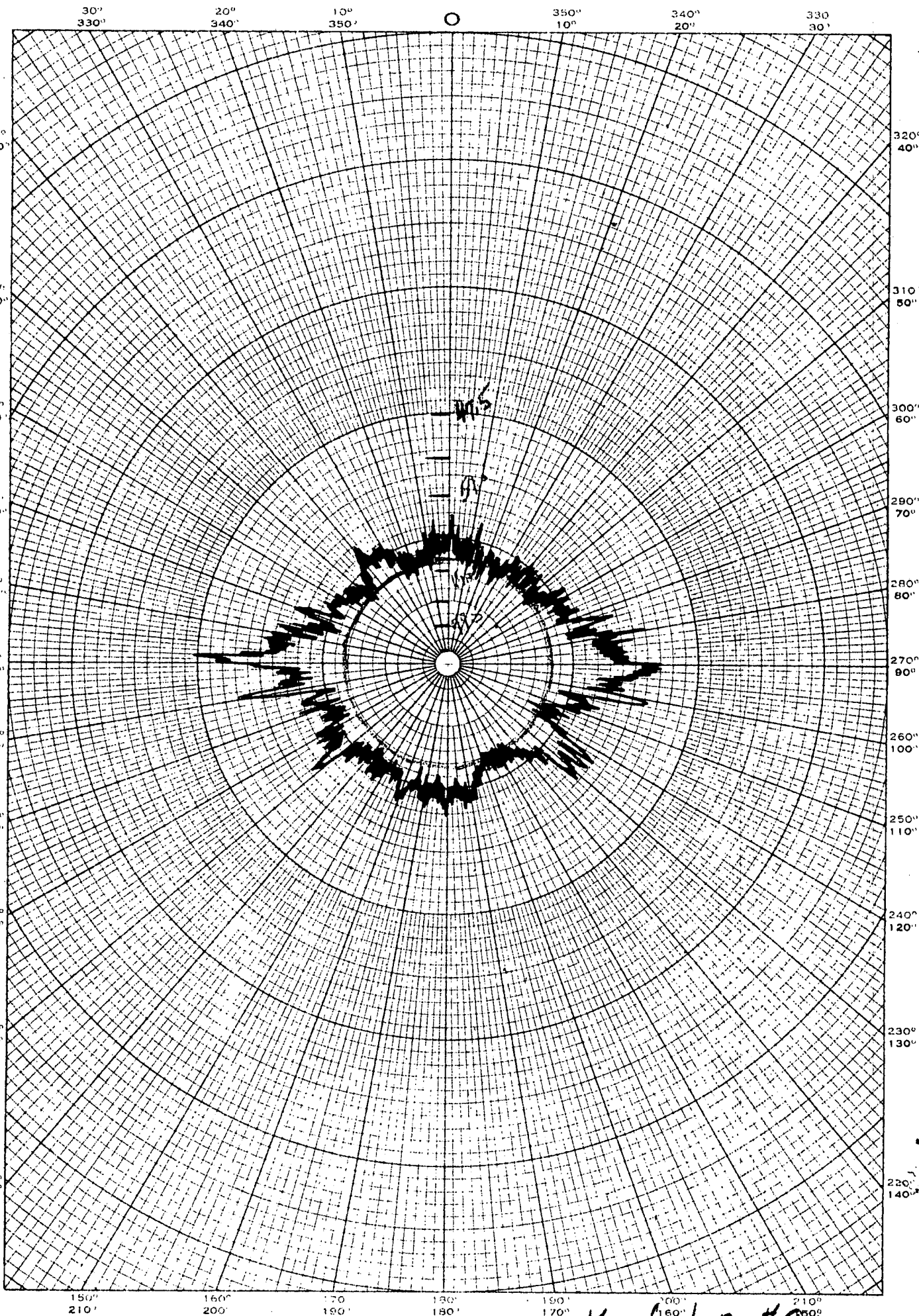
SERIES
TEST ~~KING TEST .7~~
90

Date	
Time	8/29/59 Hrs.
Tilt Angle	1525 Degrees
Polarization	10 Vertical

Frequency	2900 + - 150 MC
Power Output	13
Corner Reflector	17.5
System MDS	37

Comments

Same as Run #39. Polarization change only



SERIES

TEST KL 10001.7

91

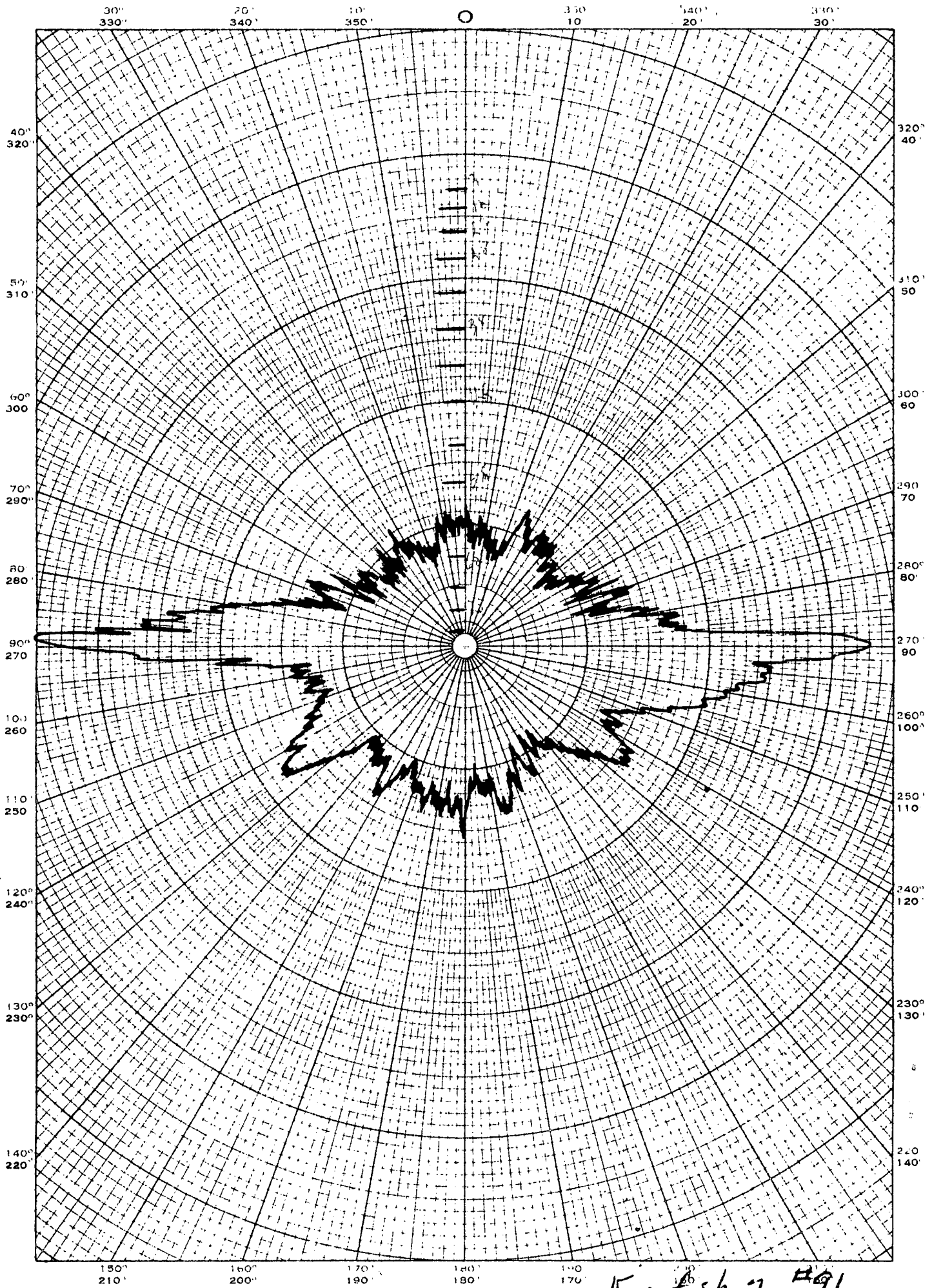
Date	
Time	8/29/59 Hrs.
Tilt Angle	1550 Degrees
Polarization	0
	Vertical

Frequency	MC
Power Output	900 + - 100
Corner Reflector	17
System MDS	13
	87

Comments

Same as Run #90. Tilt angle change only

EUGENE DIETZGEN CO.
VALLEY, N. H. U. S. A.
EUGENE DIETZGEN GRAPH PAPER
VALLEY, N. H. U. S. A.
POLAR CO-ORDINATE



Kinofish. 7 H91

SERIES KIRBY .7
 TEST 02

Date	3/29/59
Time	1615 Hrs.
Tilt Angle	10 Degrees
Polarization	Vertical

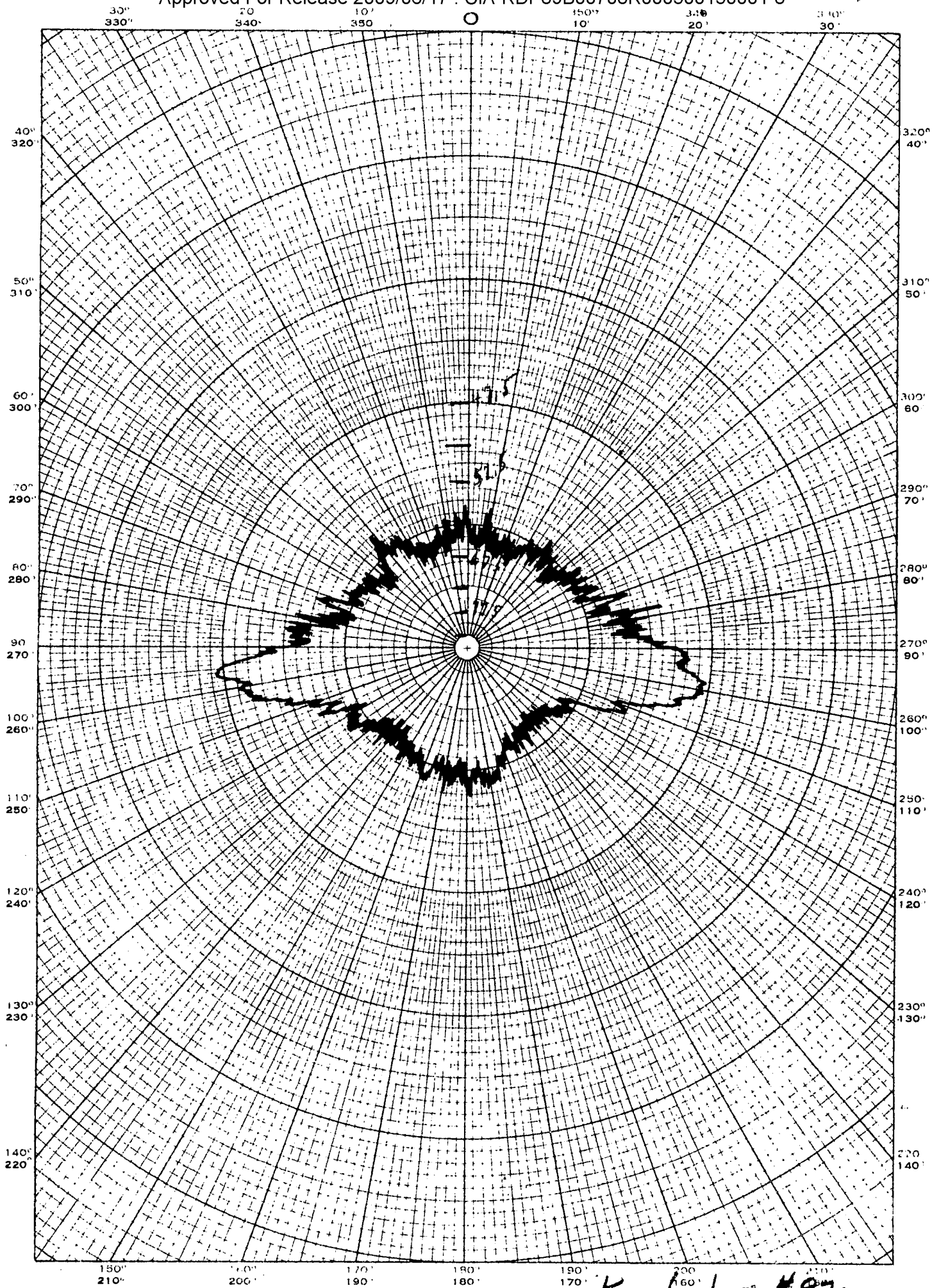
Frequency	2500 + - 150	MC
Power Output	16	
Corner Reflector	17.5	
System MDS	27	

Comments

Centered tails inboard 12 degrees. Added 1" x $\frac{1}{2}$ " notches to all unnotched sections of wing leading edge of trailing edge. Added 3" bat of hair to top of hair skirt around rotator. All else same as Run #89. Polarization change.

EUGENE DIEZGEN CO.
VALUERS

NO. 3400-1-2 DIEZGEN GRAPH PAPER
POLAR CO-ORDINATE

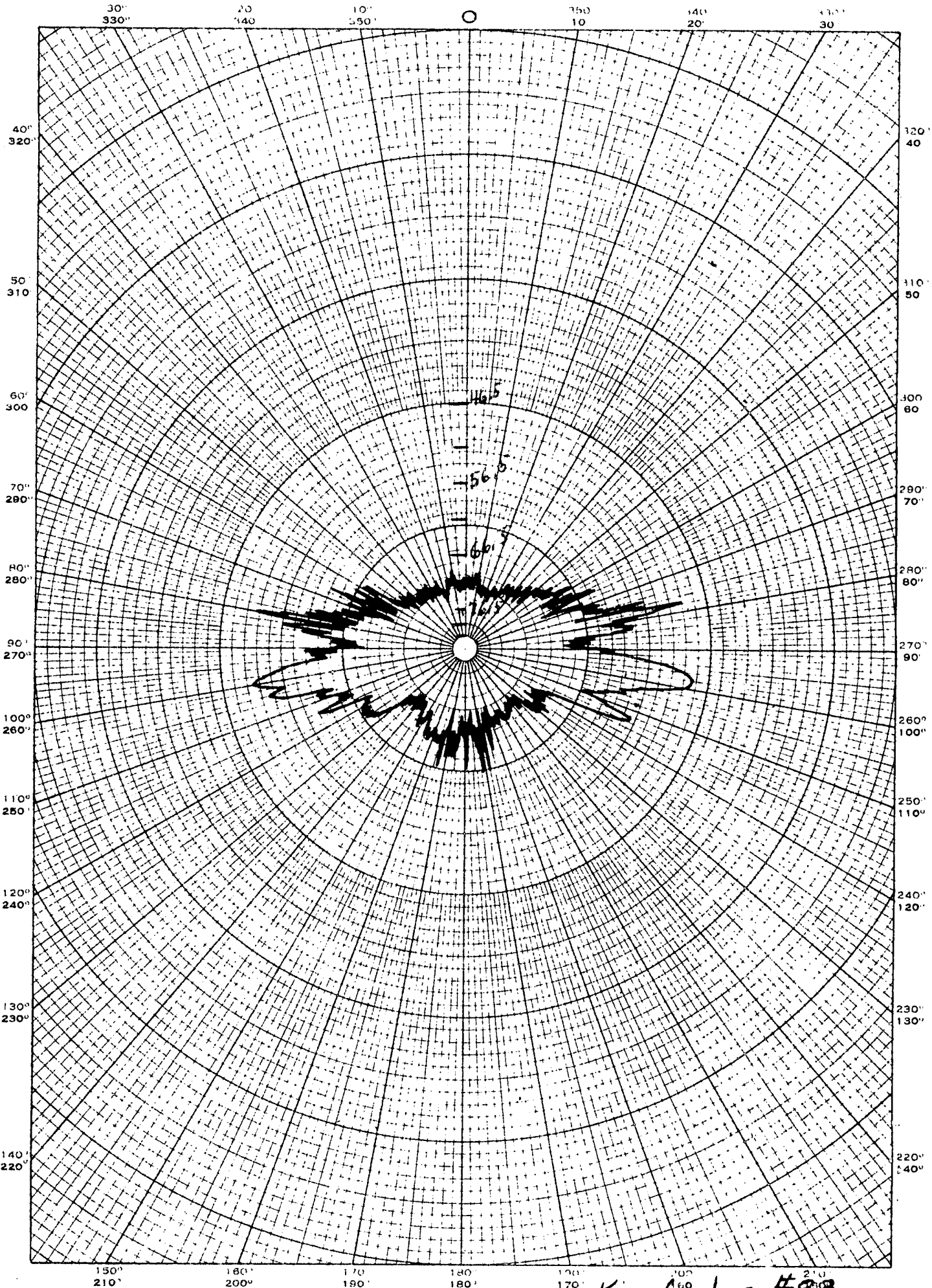


K-1-1-7 #92

Frequency	2000 + - 100	MC
Power Output	17	
Corner Reflector	16.5	
System MDS	17	

EUGENE DIETZEN CO.
MADE IN U.S.A.

NO. 340R-P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



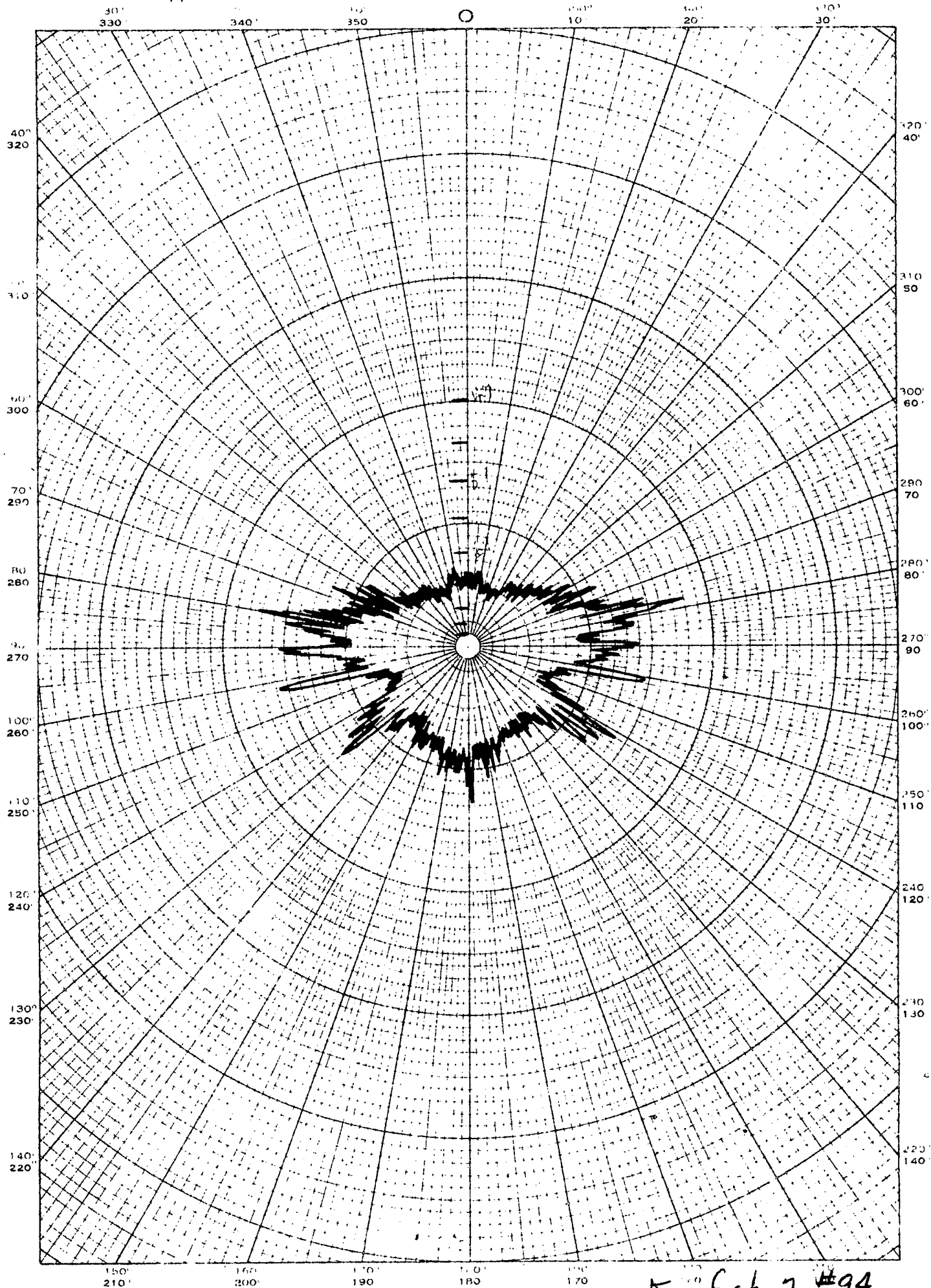
SERIES WINGTAIL .7
TEST 91

Date	8/29/59	Frequency	2300 + - 100	MC
Time	1335 Hrs.	Power Output	37	
Tilt Angle	10 Degrees	Corner Reflector	17	
Polarization	Horizontal	System MDS	37	

Comments

Wing mounted tails changed to zero degrees. Unfoiled exhaust and returned to original configuration. All else same as Run #92. Polarization change.

NO. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE
EUGENE DIETZGEN INC.



Kingfish 7 #94

SERIES RETORTON 27
 TEST 95

Date	8/29/59
Time	1345 Hrs.
Tilt Angle	10 Degrees
Polarization	Vertical

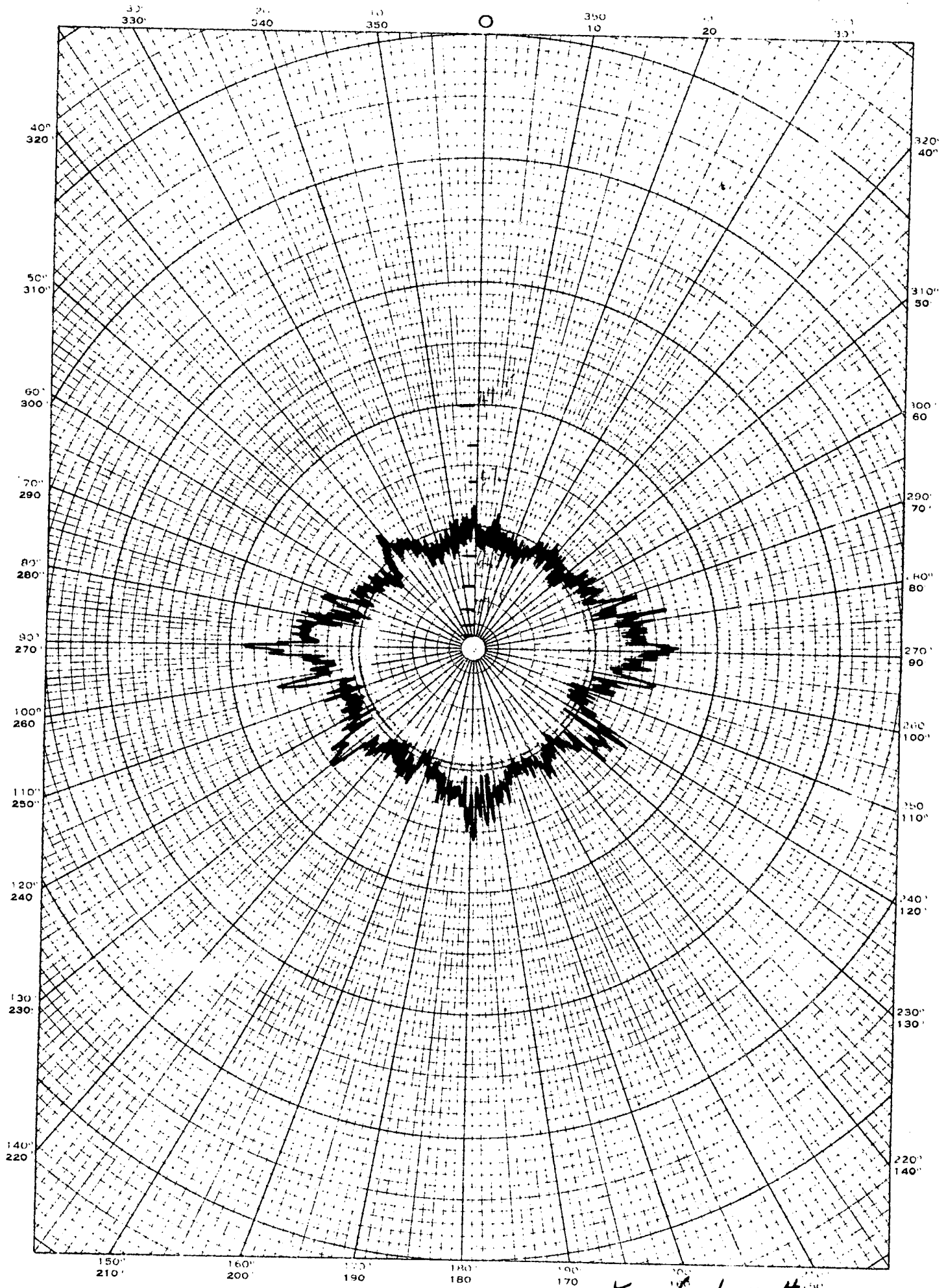
Frequency	2900 + - 100	MC
Power Output	17	
Corner Reflector	17.5	
System MDS	37	

Comments

Same as Run "94. Polarization change only.

ND. 340R F DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE

EUGENE DIETZGEN CO.



Kingfisher #95

SERIES KINGFISH .7
TEST 96

Date	8/29/59
Time	2020 Hrs.
Tilt Angle	10 Degrees
Polarization	Vertical

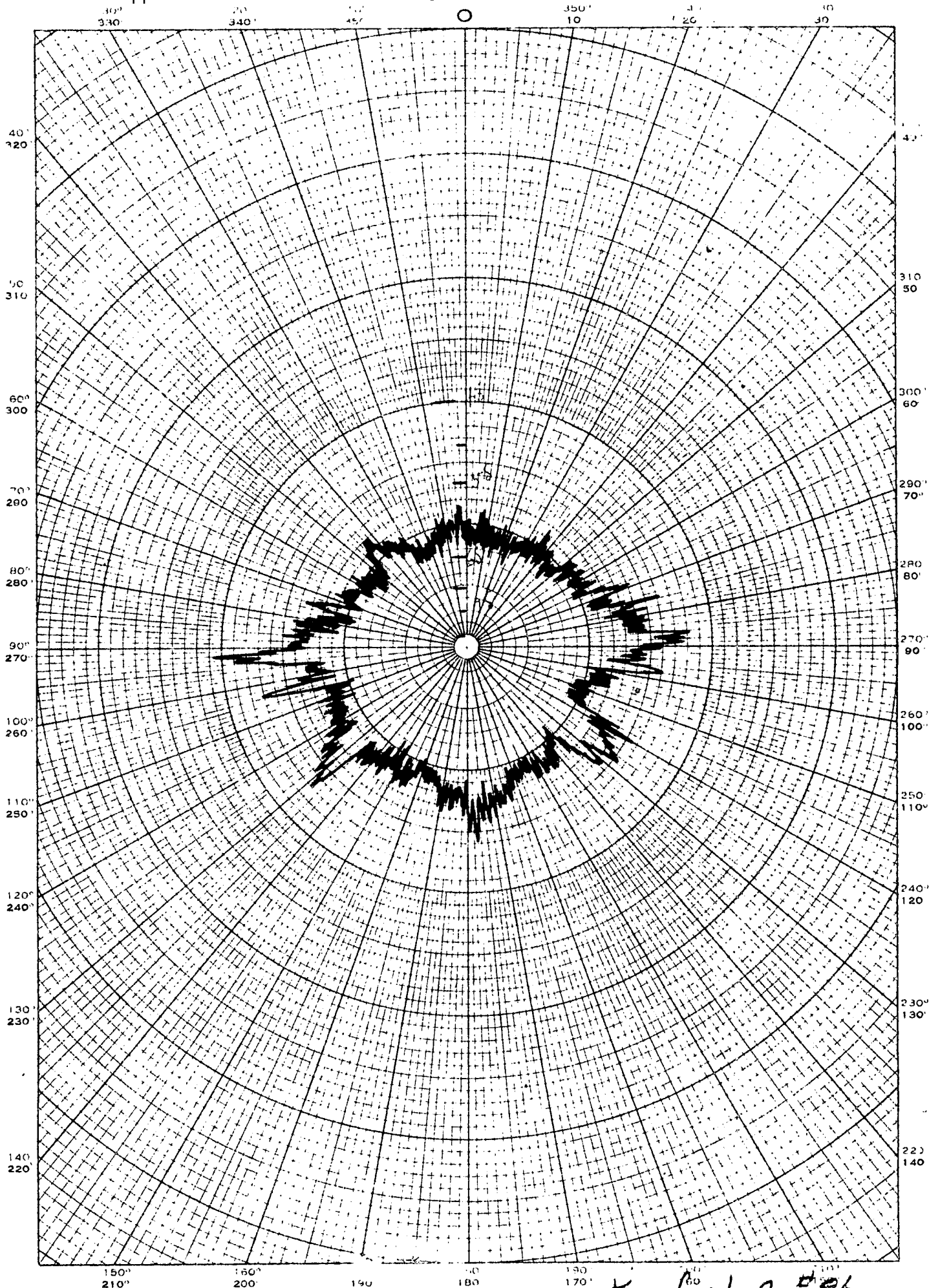
Frequency	2900 + - 150	MC
Power Output	17	
Corner Reflector	18	
System MDS	37	

Comments

Wired top 8' rear half of shield. No change to model.

ELGENE DIETZGEN CO.
MADE IN U.S.A.

NO. 340R-P DIETZGEN GRAPH PAPER
POLAR CO-ORDINATE



Kingfish. 7 #96

SERIES KITATION .7
TEST 97

Date	8/29/59
Time	2030 Hrs.
Tilt Angle	10 Degrees
Polarization	Horizontal

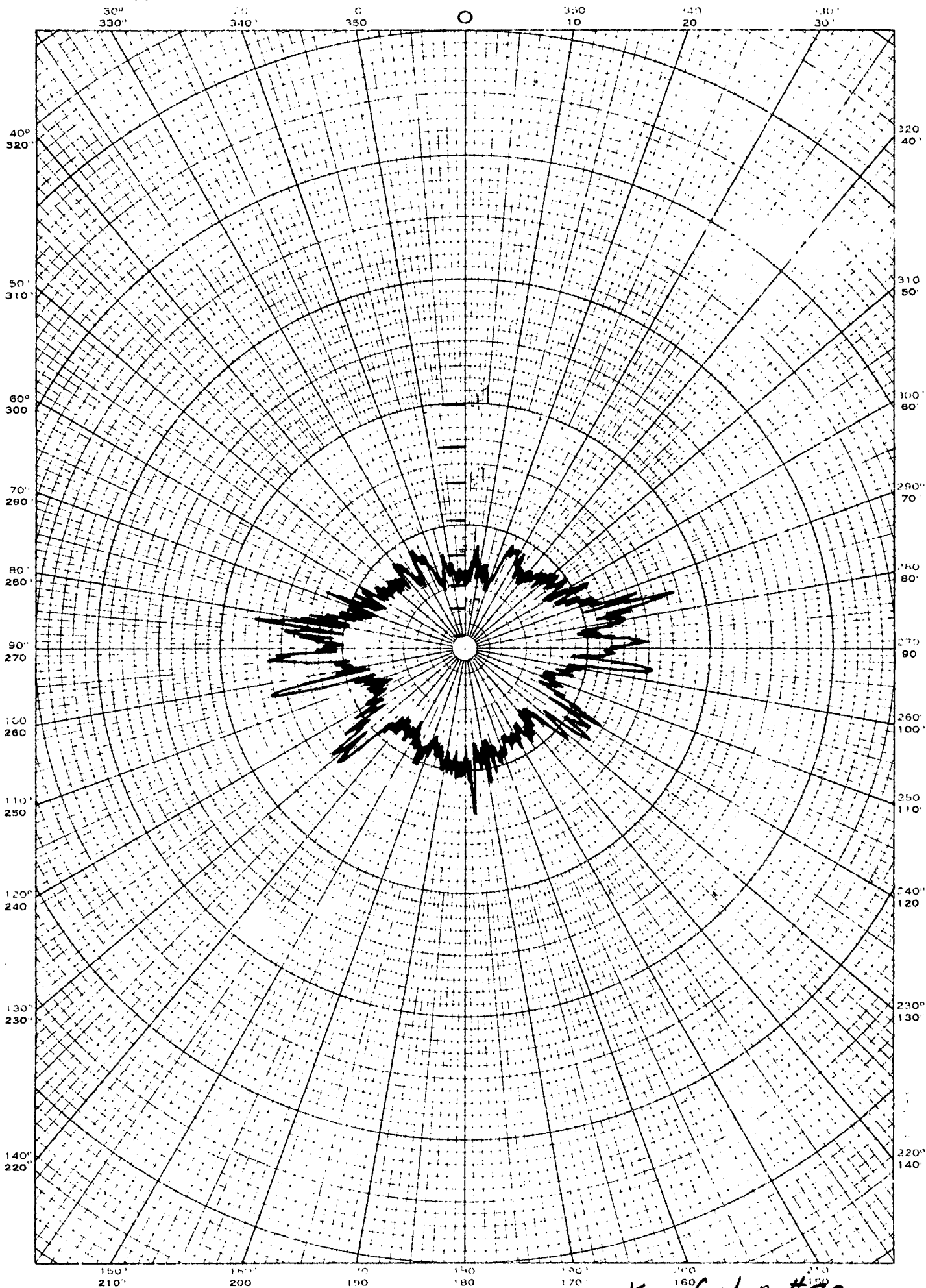
Frequency	2900 + - 150	MC
Power Output	17	
Corner Reflector	17	
System MDS	17	

Comments

Same as Run #96. Polarization change only

EUSENE DIETZEN CO.

ND. 340R P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



Kingfisher #97

SERIES KEWICH .7TEST 98

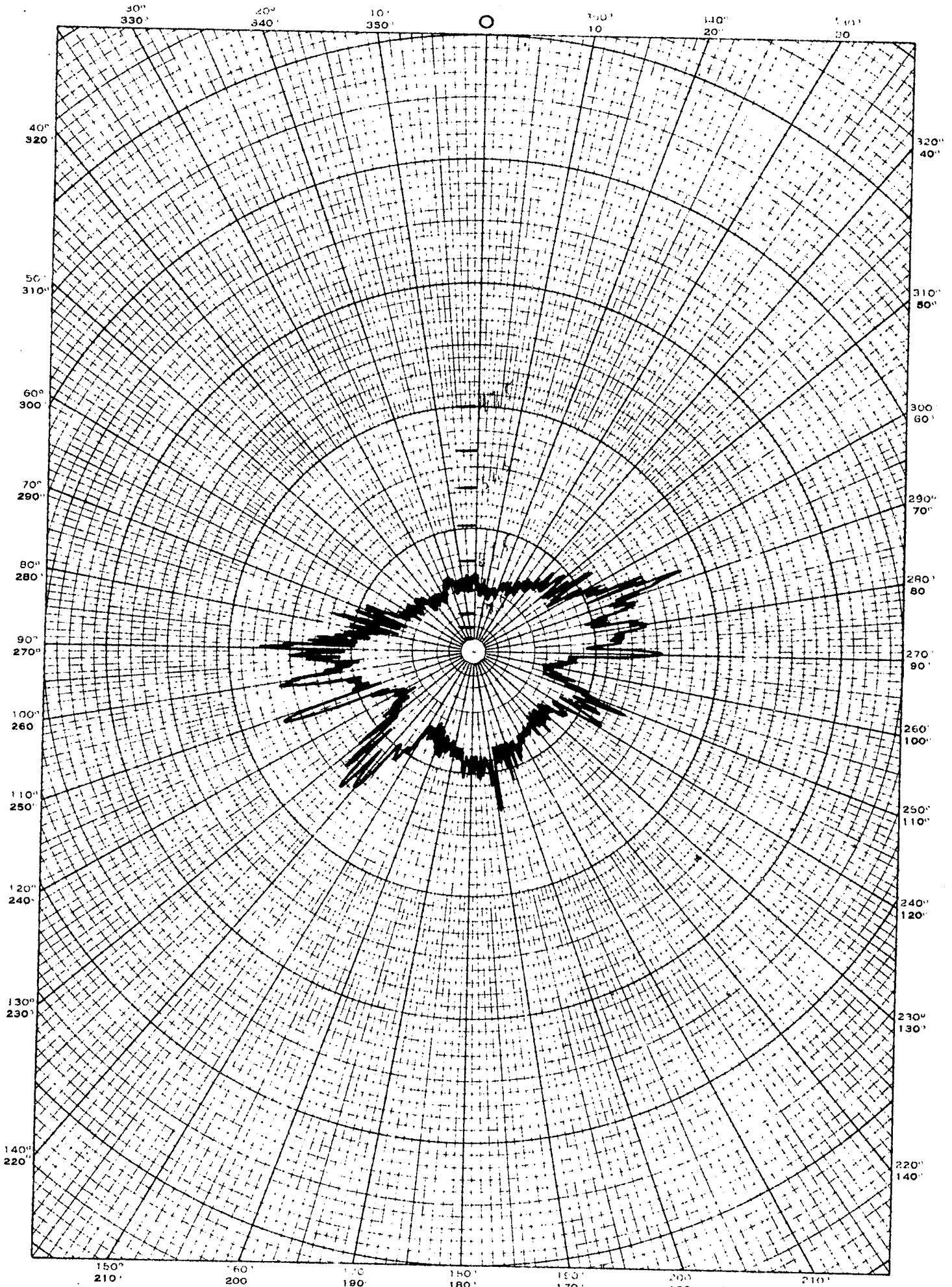
Date	3/29/59
Time	2105 Hrs.
Tilt Angle	10 Degrees
Polarization	Horizontal

Frequency	2900 + - 100	MC
Power Output	17	
Corner Reflector	47.5	
System MDS	37	

Comments

Removed hair from shield. Same as Run #94.

NO. 340R-P DIETZEN GRAPH PAPER
POLAR CO-ORDINATE
EUGENE DIETZEN CO.
MADE IN U.S.A.



100-1-78

SERIES KUMANI .7
TEST 99

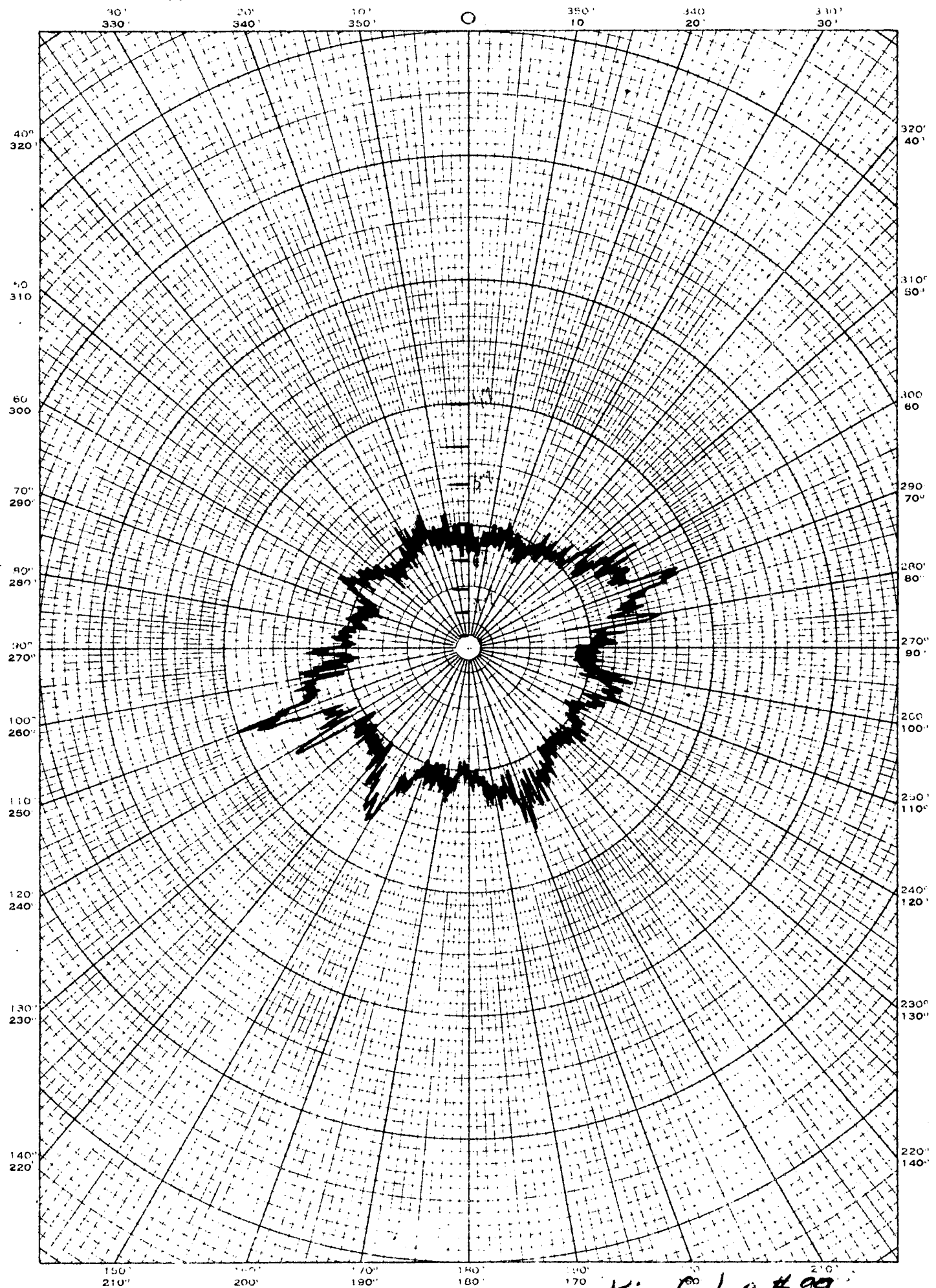
Date	3/29/59
Time	2115 Hrs.
Tilt Angle	10 Degrees
Polarization	Vertical

Frequency	2900 + - 150	MC
Power Output	17	
Corner Reflector	17	
System MDS	07	

Comments

Came as Run #98. Polarization change only

EUGENE DIETZEN CO.
NO. 340R-F DIETZEN GRAPH PAPER
POLAR CO-ORDINATE



SERIES KINGFISH .7
TEST 100

Date	8/30/59
Time	1005 Hrs.
Tilt Angle	0 Degrees
Polarization	Vertical

Frequency	2200 + - 100	MC
Power Output	10.5	
Corner Reflector	15	
System MDS	00	

Comments

Fiberglass covers back on inlets. Tails set at 0 degrees. New arrangement of hair around rotator.

EUGENE DESIGN CO.
MADE IN U.S.A.
KINGSLAND #100
POLAR CO-ORDINATE

